

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: PORTFOLIO

Report Number: H22360

Luminaire Tested: **C6132-6181P6**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: H22360
Test Lab:
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: C6132-6181P6
Description: PORTFOLIO 6" RECESSED DOWNLIGHT WITH PERFORATED CROSS-BLADE
LOUVER - ORIENTED 45 DEGREES TO LAMP AXIS
Light Source: F32PLT 32W 2400 LUMENS
HEX TUBE COMPACT FLUORESCENT
Ballast/Driver: -

Summary

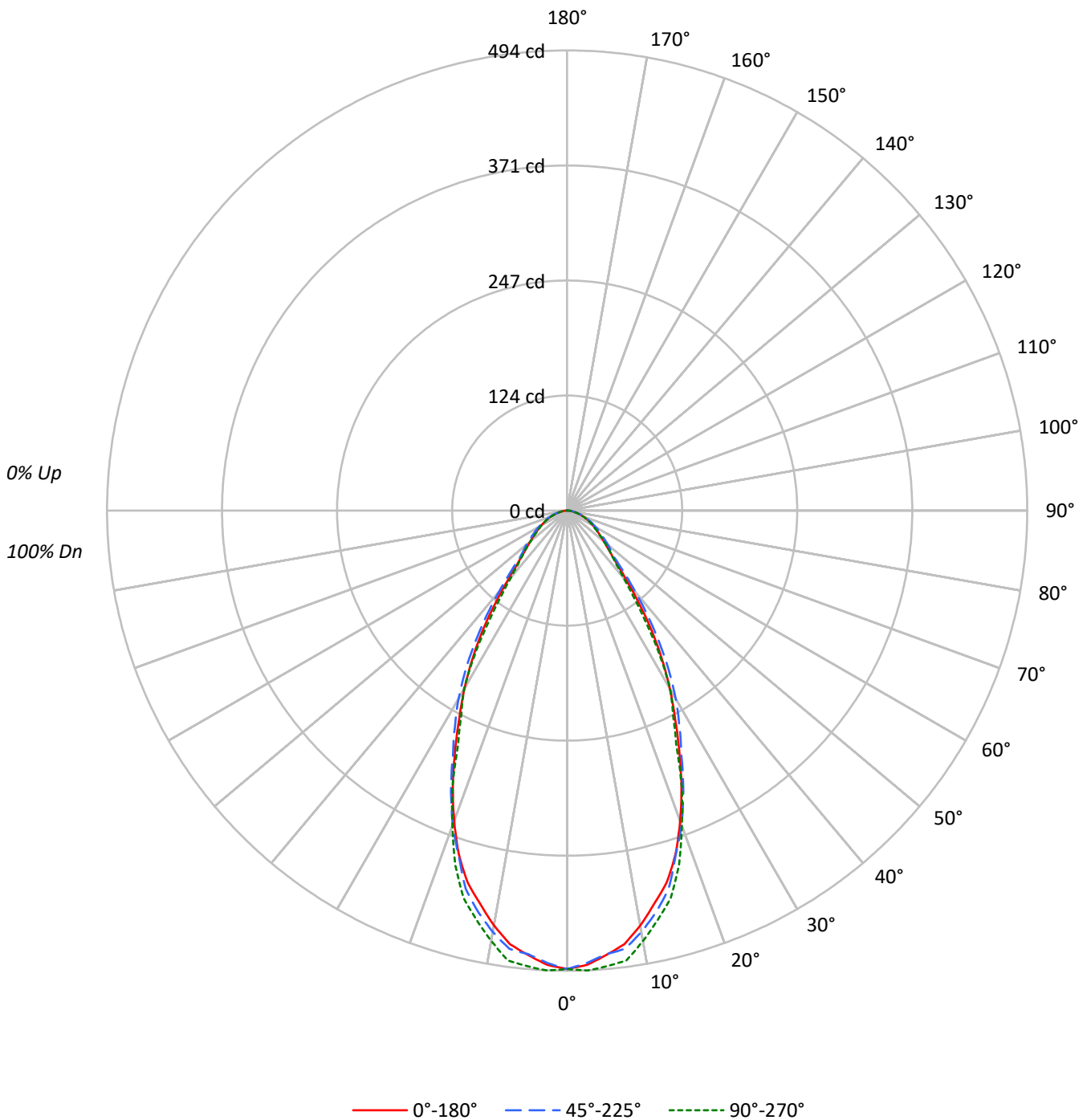
Lumens per Lamp: 2400 (1 lamp)
Luminaire Lumens: 518.2 lumens
Efficiency: 21.6%
Efficacy: 14.0 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.84 / 0.9
Luminous Opening: (L: 0' x W: -0.5' x H: 0'
CIE Type: Direct

Input Watts (W): 37
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	26	26	26	26	25	25	25	25	24	24	24	23	23	23	22	22	22	22	22	22	22
1	24	23	23	22	24	23	22	22	22	22	21	21	21	20	20	20	20	20	20	20	19
2	23	21	20	19	22	21	20	19	20	19	19	19	19	18	19	18	18	19	18	18	17
3	21	19	18	17	21	19	18	17	19	17	17	18	17	16	17	17	16	17	17	16	16
4	20	18	16	15	19	18	16	15	17	16	15	17	16	15	16	15	15	16	15	15	14
5	19	16	15	14	18	16	15	14	16	15	14	15	14	14	15	14	13	15	14	13	13
6	18	15	14	13	17	15	14	13	15	13	13	14	13	12	14	13	12	14	13	12	12
7	17	14	13	12	16	14	13	12	14	12	12	13	12	11	13	12	11	13	12	11	11
8	16	13	12	11	15	13	12	11	13	12	11	13	12	11	12	11	11	12	11	11	10
9	15	12	11	10	15	12	11	10	12	11	10	12	11	10	12	11	10	12	11	10	10
10	14	12	10	9	14	12	10	9	11	10	9	11	10	9	11	10	9	11	10	9	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	22.5°	45°	67.5°	90°	Flux
0°-10°	45.1	8.7	1.9	0°	492	492	492	492	492	
10°-20°	113.5	21.9	4.7	5°	479	463	478	487	491	45
20°-30°	126.5	24.4	5.3	15°	413	369	421	433	430	115
30°-40°	97.7	18.9	4.1	25°	285	241	290	288	277	130
40°-50°	55.7	10.7	2.3	35°	159	138	172	166	149	99
50°-60°	37.6	7.3	1.6	45°	68	67	72	70	67	55
60°-70°	25.3	4.9	1.1	55°	40	41	45	41	40	37
70°-80°	12.9	2.5	0.5	65°	25	25	27	25	24	25
80°-90°	3.9	0.8	0.2	75°	12	12	13	12	12	13
90°-100°	0.0	0.0	0.0	85°	3	3	4	4	4	3
100°-110°	0.0	0.0	0.0	90°	0	0	0	0	0	0
110°-120°	0.0	0.0	0.0	95°	0	0	0	0	0	0
120°-130°	0.0	0.0	0.0	105°	0	0	0	0	0	0
130°-140°	0.0	0.0	0.0	115°	0	0	0	0	0	0
140°-150°	0.0	0.0	0.0	125°	0	0	0	0	0	0
150°-160°	0.0	0.0	0.0	135°	0	0	0	0	0	0
160°-170°	0.0	0.0	0.0	145°	0	0	0	0	0	0
170°-180°	0.0	0.0	0.0	155°	0	0	0	0	0	0
0°-30°	285.1	55.0	11.9	165°	0	0	0	0	0	0
0°-40°	382.8	73.9	15.9	175°	0	0	0	0	0	0
0°-60°	476.0	91.9	19.8	180°	0	0	0	0	0	0
0°-90°	518.2	100.0	21.6							
90°-120°	0.0	0.0	0.0							
90°-150°	0.0	0.0	0.0							
90°-180°	0.0	0.0	0.0							
0°-180°	518.2	100.0	21.6							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	492.2	492.2	492.2	492.2	492.2
2.5°	488.1	480.0	486.1	491.2	494.3
5°	479.1	463.3	478.0	486.8	491.0
7.5°	469.5	448.1	474.6	487.1	487.1
10°	452.3	426.4	459.3	473.3	469.1
12.5°	432.1	396.9	441.4	454.6	449.9
15°	413.2	369.0	420.6	433.1	430.3
17.5°	386.9	335.5	387.7	400.9	399.1
20°	354.8	302.5	359.3	362.6	360.3
22.5°	320.7	271.3	326.0	327.5	321.7
25°	284.7	240.8	290.3	287.5	276.9
27.5°	250.6	209.0	260.9	251.2	245.9
30°	220.5	174.5	233.1	228.5	221.2
32.5°	189.6	155.0	203.1	199.4	186.3
35°	159.2	138.4	171.7	166.3	149.2
37.5°	128.9	115.7	141.8	133.5	117.5
40°	101.9	94.7	113.4	103.9	93.3
42.5°	81.5	78.9	90.3	84.0	77.8
45°	67.6	67.0	71.9	70.3	67.4
47.5°	58.5	58.3	63.4	59.4	59.1
50°	51.8	51.7	57.2	51.7	51.4
52.5°	45.5	45.8	50.3	45.6	45.1
55°	40.4	41.0	44.6	40.6	39.7
57.5°	36.1	36.6	40.2	36.1	35.3
60°	32.3	32.7	35.0	32.3	32.0
62.5°	28.6	29.0	31.4	28.5	28.1
65°	24.8	25.1	27.3	24.8	24.4
67.5°	21.3	21.6	23.2	21.3	21.1
70°	17.9	18.1	19.6	17.8	17.7
72.5°	14.8	15.0	16.1	14.8	14.6
75°	11.7	12.0	12.8	11.8	11.9
77.5°	9.0	9.2	9.7	9.0	9.1
80°	6.7	6.8	6.9	6.8	7.2
82.5°	4.9	4.9	5.0	5.0	5.3
85°	3.4	3.3	3.6	3.5	3.7
87.5°	2.2	2.3	2.6	2.4	2.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)