

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: H22190

Luminaire Tested: **C6032-6050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: H22190
Test Lab:
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: C6032-6050
Description: PORTFOLIO 6 IN RECESSED FLUORESCENT DOWNLIGHT
SPECULAR REFLECTOR CONE
Light Source: 26W PLT 26 WATTS 1800 LUMENS
HEX TUBE COMPACT FLUORESCENT
Ballast/Driver: -

Summary

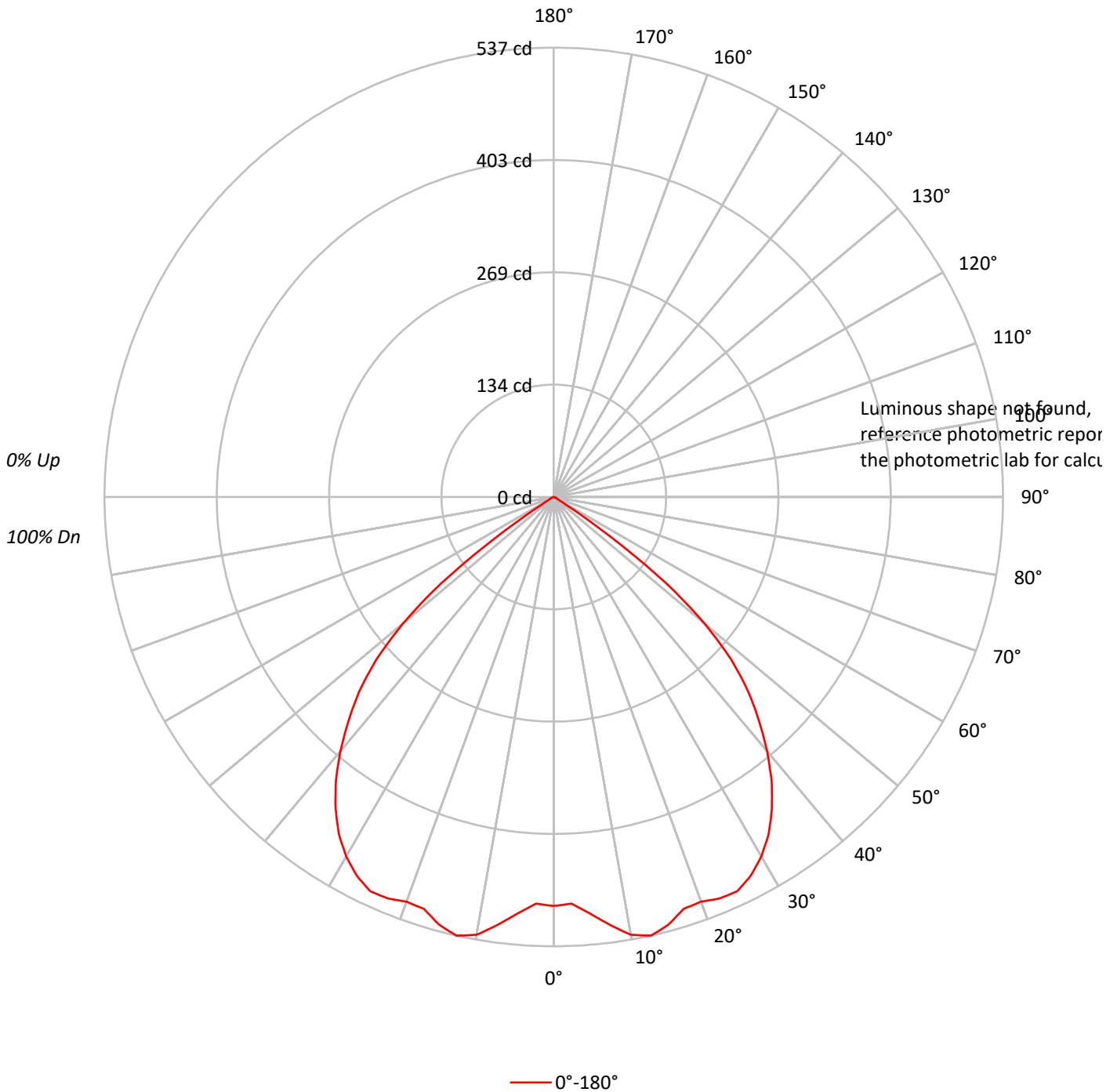
Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 1056.7 lumens
Efficiency: 58.7%
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 1.42 / 1.42 / 1.39
Luminous Opening: (L: 0 ' x W: -0.47 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 29
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



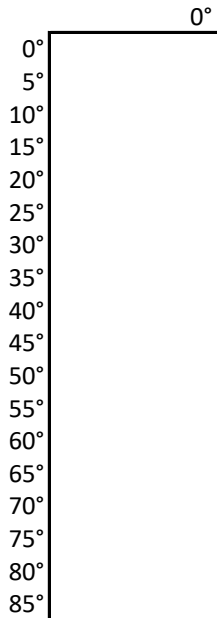


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	70	70	70	70	68	68	68	68	65	65	65		62	62	62		60	60	60	59
1	66	64	62	61	64	63	61	60	60	59	58		58	57	56		56	55	54	53
2	62	58	55	53	60	57	54	52	55	53	51		53	51	50		52	50	49	48
3	57	53	49	46	56	52	49	46	50	47	45		49	46	44		47	45	44	43
4	53	48	44	41	52	47	43	41	46	43	40		45	42	40		43	41	39	38
5	50	44	39	36	49	43	39	36	42	38	36		41	38	35		40	37	35	34
6	46	40	36	32	45	39	35	32	38	35	32		38	34	32		37	34	32	30
7	43	37	32	29	42	36	32	29	35	32	29		35	31	29		34	31	28	27
8	40	34	29	26	40	33	29	26	33	29	26		32	28	26		31	28	26	25
9	38	31	27	24	37	31	27	24	30	26	24		29	26	24		29	26	24	23
10	36	29	25	22	35	28	24	22	28	24	22		27	24	22		27	24	22	21

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp	0°	Flux	
0°-10°	48.8	4.6	2.7	0°	489	
10°-20°	148.8	14.1	8.3	5°	500	49
20°-30°	237.5	22.5	13.2	15°	529	149
30°-40°	282.5	26.7	15.7	25°	520	237
40°-50°	249.2	23.6	13.8	35°	455	282
50°-60°	85.5	8.1	4.7	45°	329	249
60°-70°	3.8	0.4	0.2	55°	84	85
70°-80°	0.7	0.1	0.0	65°	4	4
80°-90°	0.0	0.0	0.0	75°	0	1
90°-100°	0.0	0.0	0.0	85°	0	0
100°-110°	0.0	0.0	0.0	90°	0	0
110°-120°	0.0	0.0	0.0	95°	0	0
120°-130°	0.0	0.0	0.0	105°	0	0
130°-140°	0.0	0.0	0.0	115°	0	0
140°-150°	0.0	0.0	0.0	125°	0	0
150°-160°	0.0	0.0	0.0	135°	0	0
160°-170°	0.0	0.0	0.0	145°	0	0
170°-180°	0.0	0.0	0.0	155°	0	0
0°-30°	435.1	41.2	24.2	165°	0	0
0°-40°	717.5	67.9	39.9	175°	0	0
0°-60°	1052.2	99.6	58.5	180°	0	0
0°-90°	1056.7	100.0	58.7			
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°	1056.7	100.0	58.7			



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CANDELA DISTRIBUTION (FULL):

0°	
0°	488.8
2.5°	486.5
5°	499.9
7.5°	515.9
10°	531.3
12.5°	537.0
15°	529.3
17.5°	516.2
20°	514.7
22.5°	519.3
25°	519.6
27.5°	510.2
30°	496.0
32.5°	477.9
35°	454.6
37.5°	427.6
40°	396.5
42.5°	363.4
45°	328.6
47.5°	287.7
50°	235.4
52.5°	170.0
55°	83.7
57.5°	16.3
60°	6.7
62.5°	4.6
65°	3.6
67.5°	2.8
70°	2.1
72.5°	1.6
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)