

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: H22207

Luminaire Tested: **C6132-6150**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: H22207
Test Lab:
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: C6132-6150
Description: HALO 6" DIA RECESSED DOWNLIGHT
SPECULAR REFLECTOR WITH STIPPLED TOP
Light Source: 26W PL-T 26 WATTS 1800 LUMENS
HEX TUBE COMPACT FLUORESCENT
Ballast/Driver: -

Summary

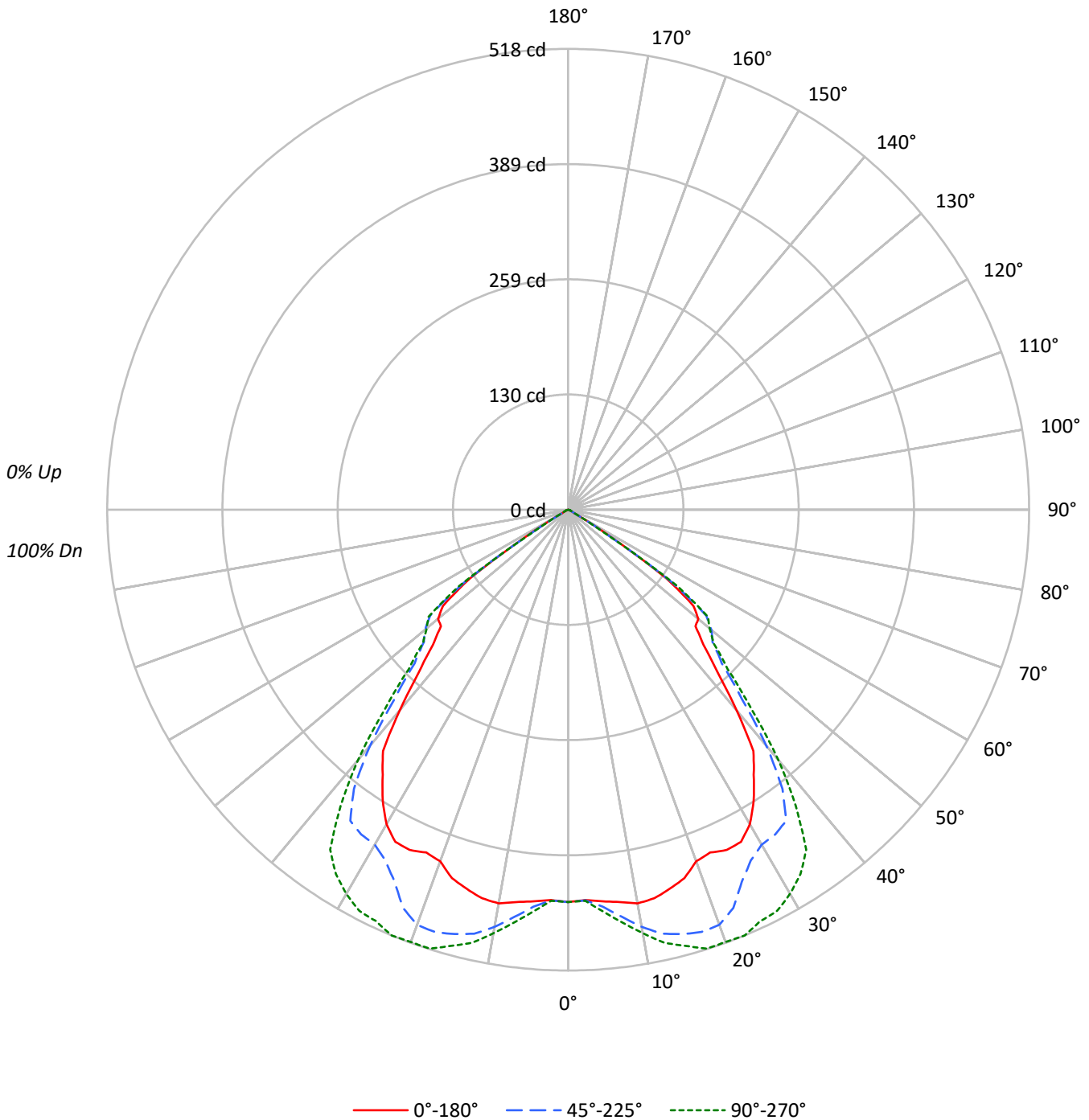
Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 958.4 lumens
Efficiency: 53.2%
Efficacy: 30.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.5 / 1.32
Luminous Opening: (L: 0 ' x W: -0.47 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 32
Input Voltage (V): NR
Input Current (A_{in}): 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	63	63	63	63	62	62	62	62	59	59	59	57	57	57	54	54	54	53	53	53
1	60	58	56	55	58	57	55	54	55	53	52	53	52	51	51	50	49	48	48	48
2	56	53	50	48	55	52	49	47	50	48	46	48	47	45	47	45	44	43	43	43
3	52	48	44	42	51	47	44	41	45	43	41	44	42	40	43	41	39	38	38	38
4	48	43	40	37	47	43	39	36	41	38	36	40	38	36	39	37	35	34	34	34
5	45	39	35	33	44	39	35	32	38	35	32	37	34	32	36	33	31	31	31	31
6	42	36	32	29	41	35	32	29	35	31	29	34	31	29	33	30	28	27	27	27
7	39	33	29	26	38	33	29	26	32	28	26	31	28	26	30	28	26	25	25	25
8	37	30	26	24	36	30	26	24	29	26	23	29	26	23	28	25	23	22	22	22
9	34	28	24	21	34	28	24	21	27	24	21	27	23	21	26	23	21	20	20	20
10	32	26	22	20	32	26	22	20	25	22	20	25	22	19	24	21	19	19	19	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found,		
5°	reference photometric report, or contact		
10°	the photometric lab for calculations.		
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°	43.5	4.5	2.4	0°	441	441	441	441	441	
10°-20°	137.2	14.3	7.6	5°	442	444	448	452	454	42
20°-30°	214.7	22.4	11.9	15°	441	467	494	505	508	124
30°-40°	256.0	26.7	14.2	25°	422	432	461	501	510	194
40°-50°	193.8	20.2	10.8	35°	364	388	427	456	466	226
50°-60°	107.9	11.3	6.0	45°	215	230	244	250	254	173
60°-70°	4.5	0.5	0.2	55°	135	138	143	147	150	103
70°-80°	0.8	0.1	0.0	65°	4	4	4	4	5	4
80°-90°	0.0	0.0	0.0	75°	0	0	0	0	0	1
90°-100°	0.0	0.0	0.0	85°	0	0	0	0	0	0
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°	395.4	41.3	22.0	165°	0	0	0	0	0	0
0°-40°	651.4	68.0	36.2	175°	0	0	0	0	0	0
0°-60°	953.1	99.4	53.0	180°	0	0	0	0	0	0
0°-90°	958.4	100.0	53.2							
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°	958.4	100.0	53.2							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	441.0	441.0	441.0	441.0	441.0
2.5°	439.1	439.1	439.5	439.6	440.0
5°	441.9	444.0	448.0	452.2	453.6
7.5°	444.8	450.7	461.6	465.8	468.2
10°	449.4	460.7	476.1	481.9	483.3
12.5°	447.4	467.9	488.2	496.1	498.7
15°	441.2	467.1	493.8	505.4	507.5
17.5°	434.2	465.5	497.8	515.4	517.3
20°	420.5	458.2	496.6	513.7	517.0
22.5°	417.1	441.3	484.5	506.6	518.0
25°	422.0	431.5	461.3	500.6	510.4
27.5°	420.8	427.6	444.5	484.5	508.5
30°	408.3	417.0	434.7	474.8	498.6
32.5°	387.8	403.0	432.8	467.1	485.7
35°	363.5	387.6	426.8	455.8	466.3
37.5°	341.9	364.4	395.4	417.1	420.1
40°	294.4	317.2	346.8	364.3	368.0
42.5°	248.9	267.5	289.1	300.3	306.5
45°	214.9	229.9	244.1	249.8	253.5
47.5°	193.9	204.1	220.0	221.8	221.2
50°	190.8	198.3	209.9	208.4	207.3
52.5°	177.5	183.4	195.7	197.7	198.0
55°	134.6	137.5	143.2	147.1	150.2
57.5°	54.1	52.3	49.6	47.4	45.9
60°	8.7	9.0	8.9	9.2	9.5
62.5°	5.0	5.1	5.3	5.8	6.2
65°	3.6	3.7	3.8	4.2	4.6
67.5°	2.8	2.9	3.0	3.4	3.5
70°	2.2	2.2	2.3	2.6	2.8
72.5°	1.7	1.7	1.8	2.0	2.1
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
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)