

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: H22188

Luminaire Tested: **C6032-6000**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: H22188
Test Lab:
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: C6032-6000
Description: HALO 6" DIA RECESSED DOWNLIGHT
SPECULAR REFLECTOR CONE
LOW SOCKET SETTING
Light Source: 26W PL-T 26 WATTS 1800 LUMENS
HEX TUBE COMPACT FLUORESCENT
Ballast/Driver: -

Summary

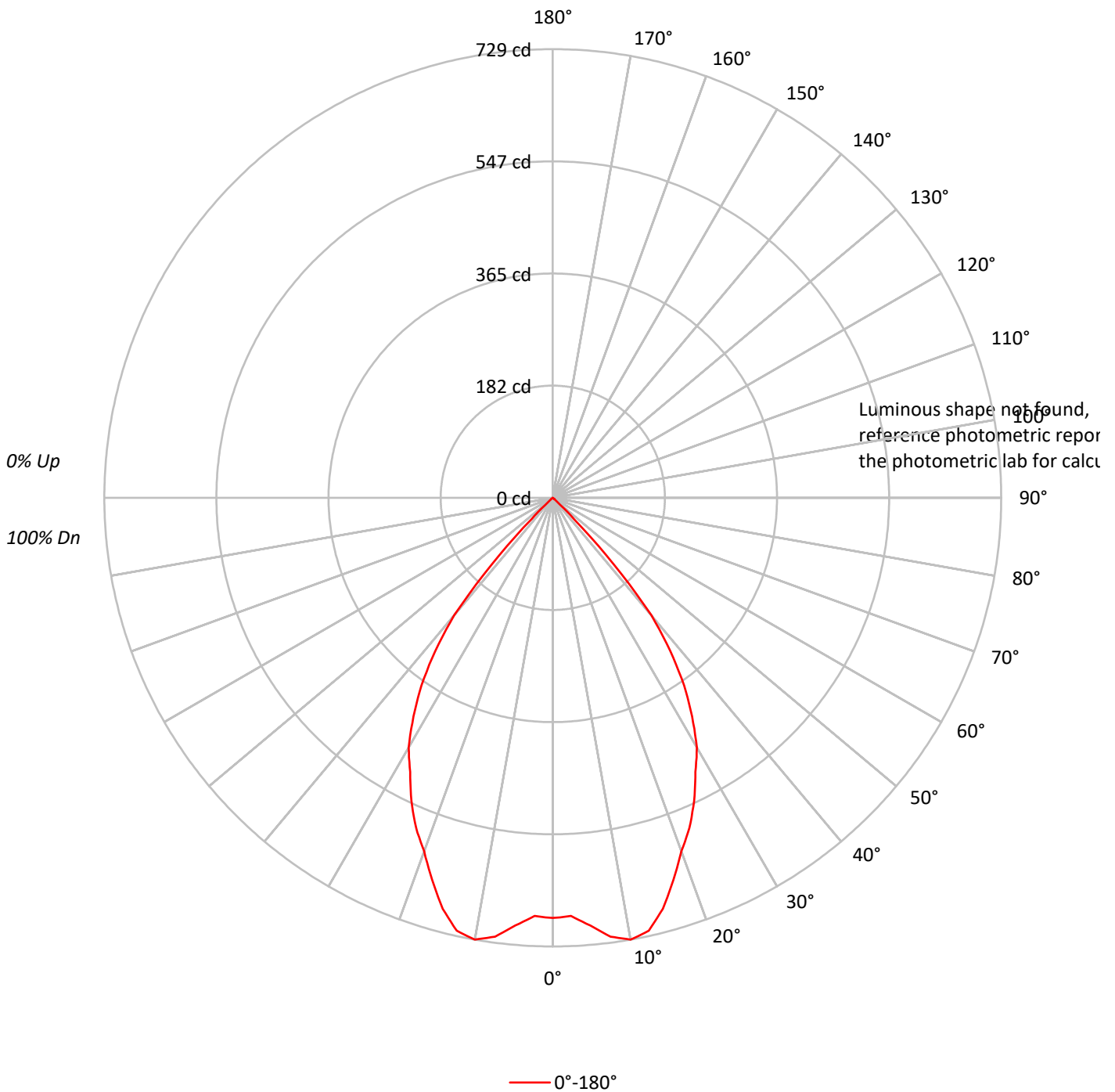
Lumens per Lamp: 1800 (1 lamp)
Luminaire Lumens: 798.4 lumens
Efficiency: 44.4%
Efficacy: 28.5 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.06
Luminous Opening: (L: 0' x W: -0.47' x H: 0'
CIE Type: Direct

Input Watts (W): 28
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



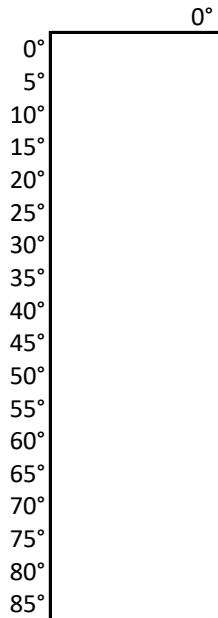


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	53	53	53	53	52	52	52	52	49	49	49		47	47	47		45	45	45	44
1	50	49	48	47	49	48	47	46	46	45	45		45	44	43		43	43	42	41
2	48	45	44	42	47	45	43	42	43	42	41		42	41	40		41	40	39	38
3	45	42	40	38	44	42	40	38	40	39	37		39	38	37		38	37	36	35
4	43	39	37	35	42	39	36	35	38	36	34		37	35	34		36	35	33	33
5	40	37	34	32	40	36	34	32	35	33	32		35	33	31		34	32	31	30
6	38	34	31	29	38	34	31	29	33	31	29		33	30	29		32	30	29	28
7	36	32	29	27	36	32	29	27	31	29	27		31	28	27		30	28	27	26
8	34	30	27	25	34	30	27	25	29	27	25		29	27	25		28	26	25	24
9	33	28	25	24	32	28	25	23	27	25	23		27	25	23		27	25	23	23
10	31	26	24	22	30	26	24	22	26	23	22		26	23	22		25	23	22	21

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp	0°	Flux	
0°-10°	67.8	8.5	3.8	0°	683	
10°-20°	191.9	24.0	10.7	5°	697	68
20°-30°	248.7	31.1	13.8	15°	691	192
30°-40°	227.6	28.5	12.6	25°	544	249
40°-50°	61.5	7.7	3.4	35°	372	228
50°-60°	1.0	0.1	0.1	45°	49	61
60°-70°	0.0	0.0	0.0	55°	0	1
70°-80°	0.0	0.0	0.0	65°	0	0
80°-90°	0.0	0.0	0.0	75°	0	0
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°	508.3	63.7	28.2	165°	0	0
0°-40°	736.0	92.2	40.9	175°	0	0
0°-60°	798.4	100.0	44.4	180°	0	0
0°-90°	798.4	100.0	44.4			
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°	798.4	100.0	44.4			



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CANDELA DISTRIBUTION (FULL):

0°	
0°	682.8
2.5°	680.1
5°	697.4
7.5°	719.1
10°	728.9
12.5°	720.6
15°	691.3
17.5°	651.4
20°	611.4
22.5°	580.6
25°	543.6
27.5°	502.2
30°	468.5
32.5°	421.4
35°	372.2
37.5°	314.1
40°	248.9
42.5°	147.4
45°	48.8
47.5°	9.2
50°	3.8
52.5°	2.7
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
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)