

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: P243813

Luminaire Tested: **LD8B30D010 ER8B30835 8LBW0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27941)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B30835 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3264.0 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

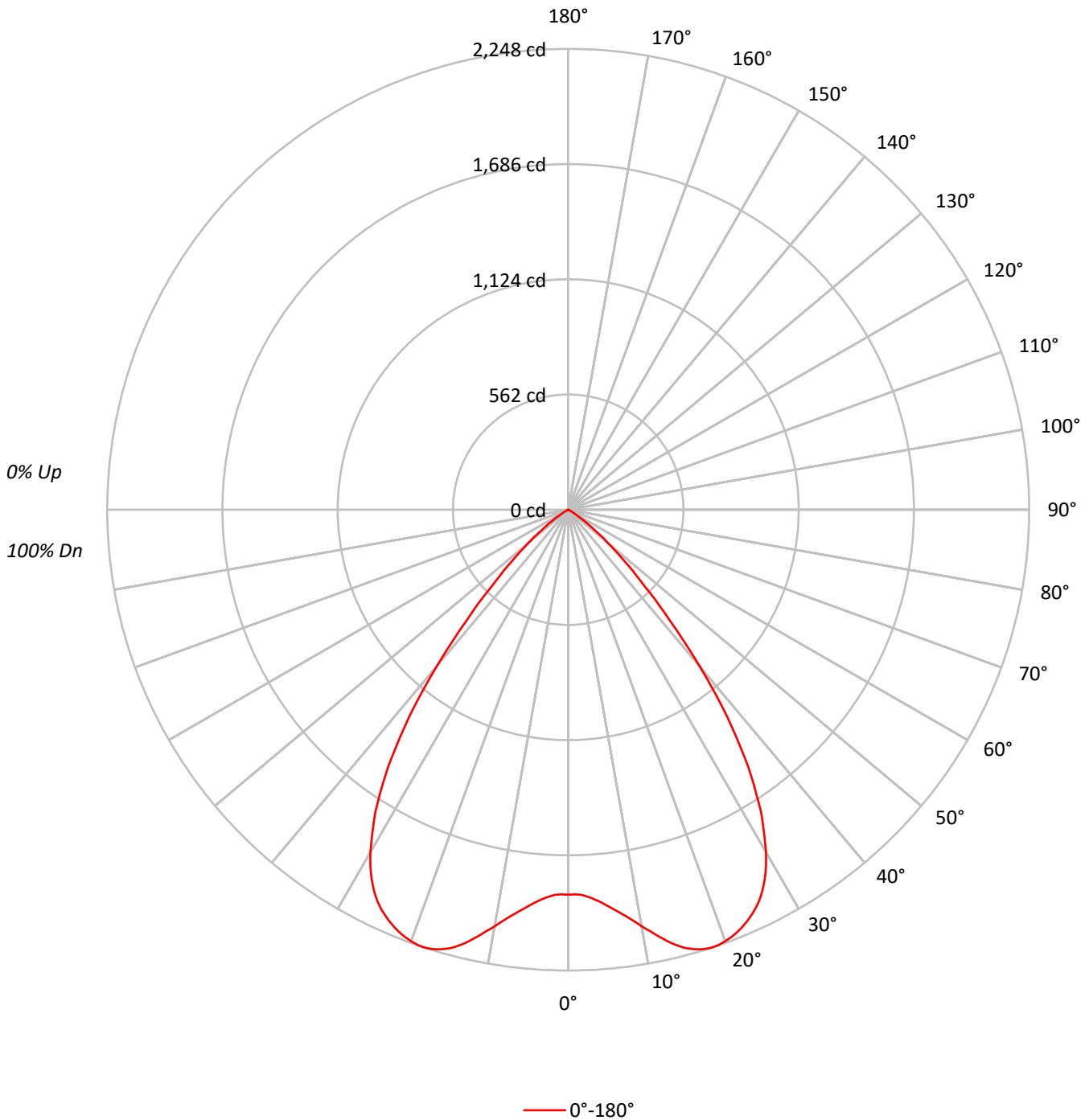
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90		93	90	88		90	88	86	84
3	100	93	87	83	98	92	86	82	89	85	81		86	83	80		84	81	78	77
4	94	86	79	75	92	84	79	74	82	77	73		80	76	72		78	75	72	70
5	88	79	72	68	87	78	72	67	76	71	67		74	70	66		73	69	65	64
6	83	73	66	62	82	72	66	61	71	65	61		69	64	60		68	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63	59	55	54
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59	54	51	49
9	70	59	52	48	68	58	52	47	57	51	47		56	51	47		55	50	47	45
10	66	55	48	44	65	54	48	44	53	48	44		53	47	44		52	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57911
5°	59624
10°	64594
15°	70674
20°	73526
25°	73257
30°	68714
35°	57618
40°	40117
45°	22978
50°	12339
55°	5091
60°	1264
65°	328
70°	162
75°	107
80°	160
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.3	5.8
10°-20°	623.9	19.1
20°-30°	981.7	30.1
30°-40°	933.8	28.6
40°-50°	430.5	13.2
50°-60°	97.8	3.0
60°-70°	6.4	0.2
70°-80°	1.3	0.0
80°-90°	0.1	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1794.0	55.0
0°-40°	2727.8	83.6
0°-60°	3256.1	99.8
0°-90°	3264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3264.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1878	
5°	1926	188
15°	2214	624
25°	2153	982
35°	1531	934
45°	527	431
55°	95	98
65°	4	6
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1878.0
1°	1877.1
2°	1880.7
3°	1891.4
4°	1907.5
5°	1926.2
6°	1949.4
7°	1974.4
8°	2000.3
9°	2030.7
10°	2062.9
11°	2095.0
12°	2128.9
13°	2161.1
14°	2190.6
15°	2213.8
16°	2230.7
17°	2242.4
18°	2247.7
19°	2246.8
20°	2240.6
21°	2229.9
22°	2216.5
23°	2198.6
24°	2178.1
25°	2153.1
26°	2123.6
27°	2086.1
28°	2041.4
29°	1989.6
30°	1929.8
32.5°	1750.3
35°	1530.6
37.5°	1275.2
40°	996.6
42.5°	736.7
45°	526.9
47.5°	373.3
50°	257.2
52.5°	164.3
55°	94.7
57.5°	47.3
60°	20.5
62.5°	8.0
65°	4.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.7
70°	1.8
72.5°	1.8
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)