

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: P243807

Luminaire Tested: **LD8B30D010 ER8B30830 8LBWOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P243807
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 ER8B30830 8LBW0LI
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3139.0 lumens
Efficiency: N/A
Efficacy: 115.8 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

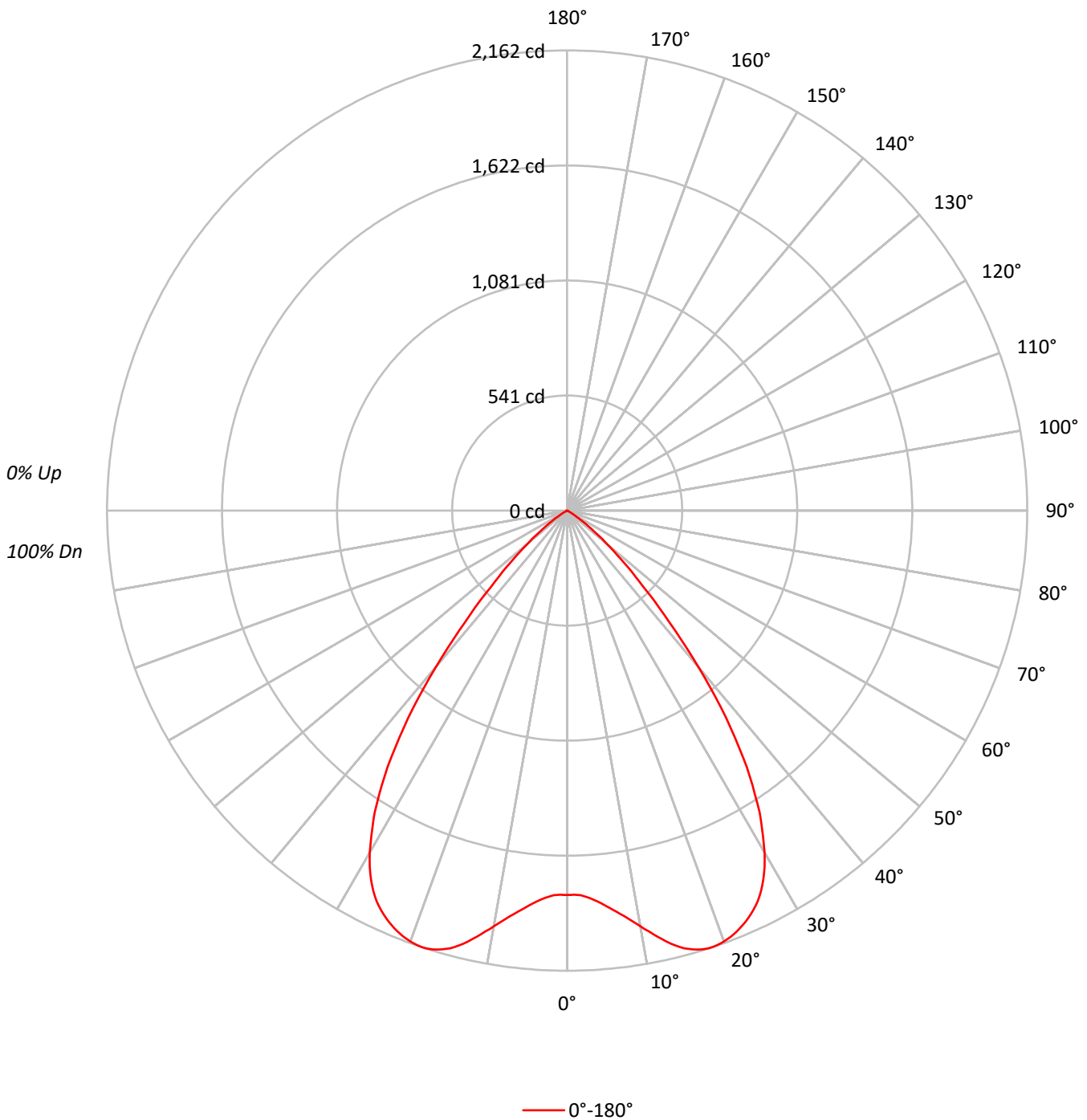
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				84
3	100	93	87	83	98	92	86	82	89	85	81	86	83	80	84	81	78	77				77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70				70
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64				64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58				58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54				54
8	74	63	56	52	72	62	56	52	61	55	51	60	55	51	59	54	51	49				49
9	70	59	52	48	68	58	52	47	57	51	47	56	51	47	55	50	47	45				45
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42				42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55693
5°	57342
10°	62120
15°	67966
20°	70710
25°	70450
30°	66082
35°	55412
40°	38579
45°	22097
50°	11864
55°	4892
60°	1221
65°	314
70°	153
75°	107
80°	160
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.1	5.8
10°-20°	600.0	19.1
20°-30°	944.1	30.1
30°-40°	898.1	28.6
40°-50°	414.0	13.2
50°-60°	94.1	3.0
60°-70°	6.2	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°	1725.3	55.0
0°-40°	2623.4	83.6
0°-60°	3131.4	99.8
0°-90°	3139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3139.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1806	
5°	1852	181
15°	2129	600
25°	2071	944
35°	1472	898
45°	507	414
55°	91	94
65°	4	6
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1806.1
1°	1805.2
2°	1808.7
3°	1819.0
4°	1834.4
5°	1852.5
6°	1874.8
7°	1898.8
8°	1923.7
9°	1952.9
10°	1983.9
11°	2014.8
12°	2047.4
13°	2078.3
14°	2106.7
15°	2129.0
16°	2145.3
17°	2156.5
18°	2161.6
19°	2160.8
20°	2154.8
21°	2144.5
22°	2131.6
23°	2114.4
24°	2094.6
25°	2070.6
26°	2042.3
27°	2006.2
28°	1963.2
29°	1913.4
30°	1855.9
32.5°	1683.3
35°	1472.0
37.5°	1226.4
40°	958.4
42.5°	708.5
45°	506.7
47.5°	359.0
50°	247.3
52.5°	158.0
55°	91.0
57.5°	45.5
60°	19.8
62.5°	7.7
65°	4.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.6
70°	1.7
72.5°	1.7
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)