

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: P244281

Luminaire Tested: **LD8B30D010 ER8B30940 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B30940 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2762.0 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

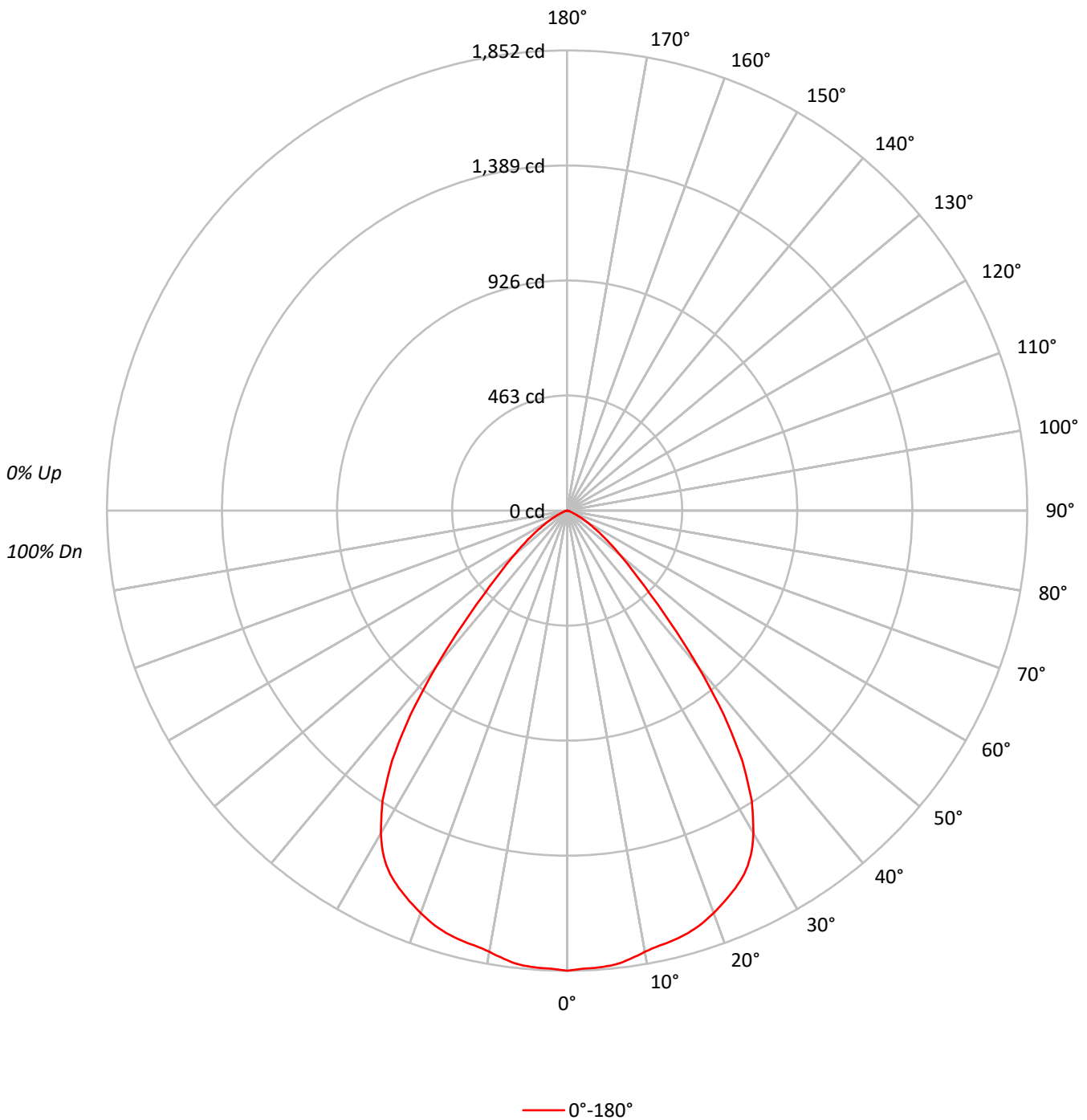
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57109
5°	56983
10°	56465
15°	56678
20°	56557
25°	56007
30°	53382
35°	46220
40°	32968
45°	20261
50°	13365
55°	8838
60°	5662
65°	3086
70°	1515
75°	763
80°	426
85°	283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.5	6.3
10°-20°	500.8	18.1
20°-30°	753.6	27.3
30°-40°	746.1	27.0
40°-50°	379.1	13.7
50°-60°	152.7	5.5
60°-70°	46.3	1.7
70°-80°	8.0	0.3
80°-90°	1.0	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°	1428.9	51.7
0°-40°	2175.0	78.7
0°-60°	2706.8	98.0
0°-90°	2762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2762.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1852	
5°	1841	175
15°	1775	501
25°	1646	754
35°	1228	746
45°	465	379
55°	164	153
65°	42	46
75°	6	8
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1852.0
1°	1848.0
2°	1844.8
3°	1844.0
4°	1843.2
5°	1840.9
6°	1837.7
7°	1831.3
8°	1821.7
9°	1812.9
10°	1803.3
11°	1795.4
12°	1789.8
13°	1785.8
14°	1781.0
15°	1775.4
16°	1768.2
17°	1759.4
18°	1749.1
19°	1737.1
20°	1723.5
21°	1709.1
22°	1694.8
23°	1679.6
24°	1663.6
25°	1646.1
26°	1626.9
27°	1602.2
28°	1573.4
29°	1539.1
30°	1499.2
32.5°	1382.6
35°	1227.8
37.5°	1034.6
40°	819.0
42.5°	618.7
45°	464.6
47.5°	355.2
50°	278.6
52.5°	216.3
55°	164.4
57.5°	122.1
60°	91.8
62.5°	65.5
65°	42.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	26.3
70°	16.8
72.5°	10.4
75°	6.4
77.5°	4.0
80°	2.4
82.5°	1.6
85°	0.8
87.5°	0.0
90°	0.0

(END OF REPORT)