

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: P244353

Luminaire Tested: **LD8B30D010 ER8B30940 8LBN0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27944)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B30D010 ER8B30940 8LBN0H
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 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: 2494.9 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

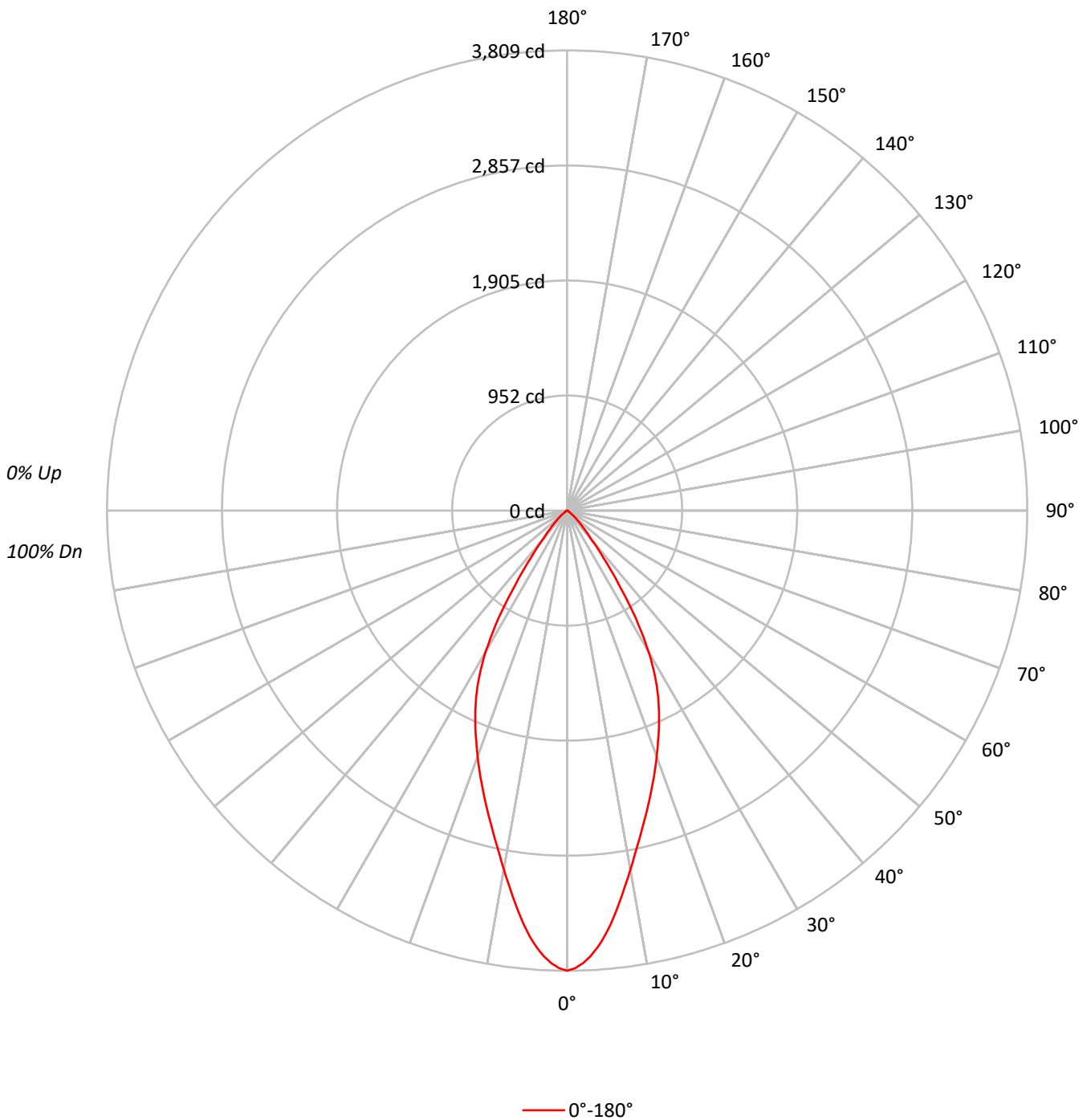
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	80	78	76
5	93	85	79	75	92	84	79	75	82	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	64	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117443
5°	109547
10°	94428
15°	81723
20°	71091
25°	61094
30°	48005
35°	28007
40°	12922
45°	6690
50°	3353
55°	1629
60°	833
65°	489
70°	225
75°	203
80°	142
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.3	12.8
10°-20°	715.7	28.7
20°-30°	813.8	32.6
30°-40°	477.9	19.2
40°-50°	128.3	5.1
50°-60°	30.4	1.2
60°-70°	6.9	0.3
70°-80°	1.5	0.1
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°	1849.8	74.1
0°-40°	2327.7	93.3
0°-60°	2486.4	99.7
0°-90°	2494.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2494.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3809	
5°	3539	320
15°	2560	716
25°	1796	814
35°	744	478
45°	153	128
55°	30	30
65°	7	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3808.6
1°	3787.6
2°	3748.8
3°	3694.0
4°	3623.3
5°	3539.0
6°	3443.8
7°	3335.9
8°	3228.1
9°	3119.4
10°	3015.7
11°	2914.6
12°	2819.4
13°	2730.9
14°	2642.5
15°	2559.9
16°	2479.0
17°	2398.9
18°	2321.4
19°	2243.1
20°	2166.4
21°	2089.7
22°	2016.4
23°	1943.9
24°	1869.8
25°	1795.6
26°	1718.9
27°	1635.5
28°	1547.9
29°	1451.8
30°	1348.2
32.5°	1057.5
35°	744.0
37.5°	490.4
40°	321.0
42.5°	221.6
45°	153.4
47.5°	105.3
50°	69.9
52.5°	45.5
55°	30.3
57.5°	20.2
60°	13.5
62.5°	9.3
65°	6.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.2
70°	2.5
72.5°	1.7
75°	1.7
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)