

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: P244431

Luminaire Tested: **LSR8B30D010 EC8B30950 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27951)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B30D010 EC8B30950 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2811.0 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

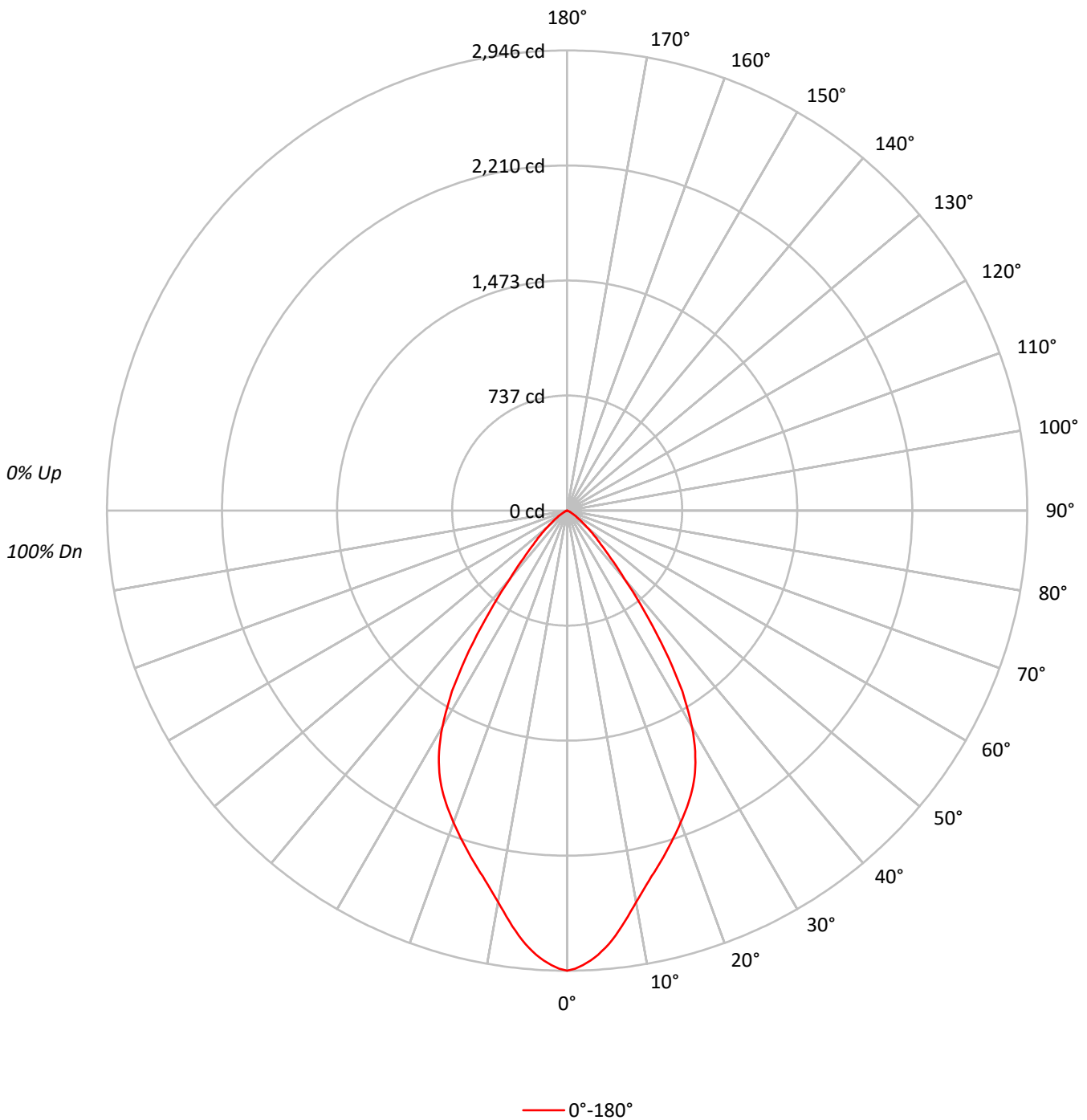
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86	83	80	79
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80	77	74	73
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75	72	69	67
6	85	76	70	65	84	75	69	65	74	68	64		72	68	64		71	67	64	62
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67	62	59	58
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63	58	55	54
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	48		57	52	48		56	51	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90831
5°	86978
10°	79698
15°	74160
20°	69752
25°	65258
30°	56914
35°	41134
40°	23061
45°	13266
50°	8117
55°	4623
60°	2405
65°	1226
70°	667
75°	405
80°	231
85°	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.4	9.2
10°-20°	653.0	23.2
20°-30°	871.3	31.0
30°-40°	671.6	23.9
40°-50°	250.4	8.9
50°-60°	81.9	2.9
60°-70°	18.9	0.7
70°-80°	3.8	0.1
80°-90°	0.6	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°	1783.8	63.5
0°-40°	2455.5	87.4
0°-60°	2787.8	99.2
0°-90°	2811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2811.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2946	
5°	2810	259
15°	2323	653
25°	1918	871
35°	1093	672
45°	304	250
55°	86	82
65°	17	19
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2945.6
1°	2932.8
2°	2911.3
3°	2883.8
4°	2850.2
5°	2809.9
6°	2764.2
7°	2711.8
8°	2656.1
9°	2598.3
10°	2545.3
11°	2494.3
12°	2446.6
13°	2402.9
14°	2362.6
15°	2323.0
16°	2282.7
17°	2243.8
18°	2203.5
19°	2163.8
20°	2125.6
21°	2085.9
22°	2047.7
23°	2007.4
24°	1965.0
25°	1918.0
26°	1866.3
27°	1809.2
28°	1746.1
29°	1675.6
30°	1598.4
32.5°	1372.0
35°	1092.7
37.5°	809.3
40°	572.9
42.5°	410.3
45°	304.2
47.5°	229.0
50°	169.2
52.5°	120.9
55°	86.0
57.5°	59.1
60°	39.0
62.5°	25.5
65°	16.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	11.4
70°	7.4
72.5°	4.7
75°	3.4
77.5°	2.0
80°	1.3
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)