

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: P244419

Luminaire Tested: **LSR8B30D010 EC8B30935 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244419
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 EC8B30935 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2599.9 lumens
Efficiency: N/A
Efficacy: 95.9 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

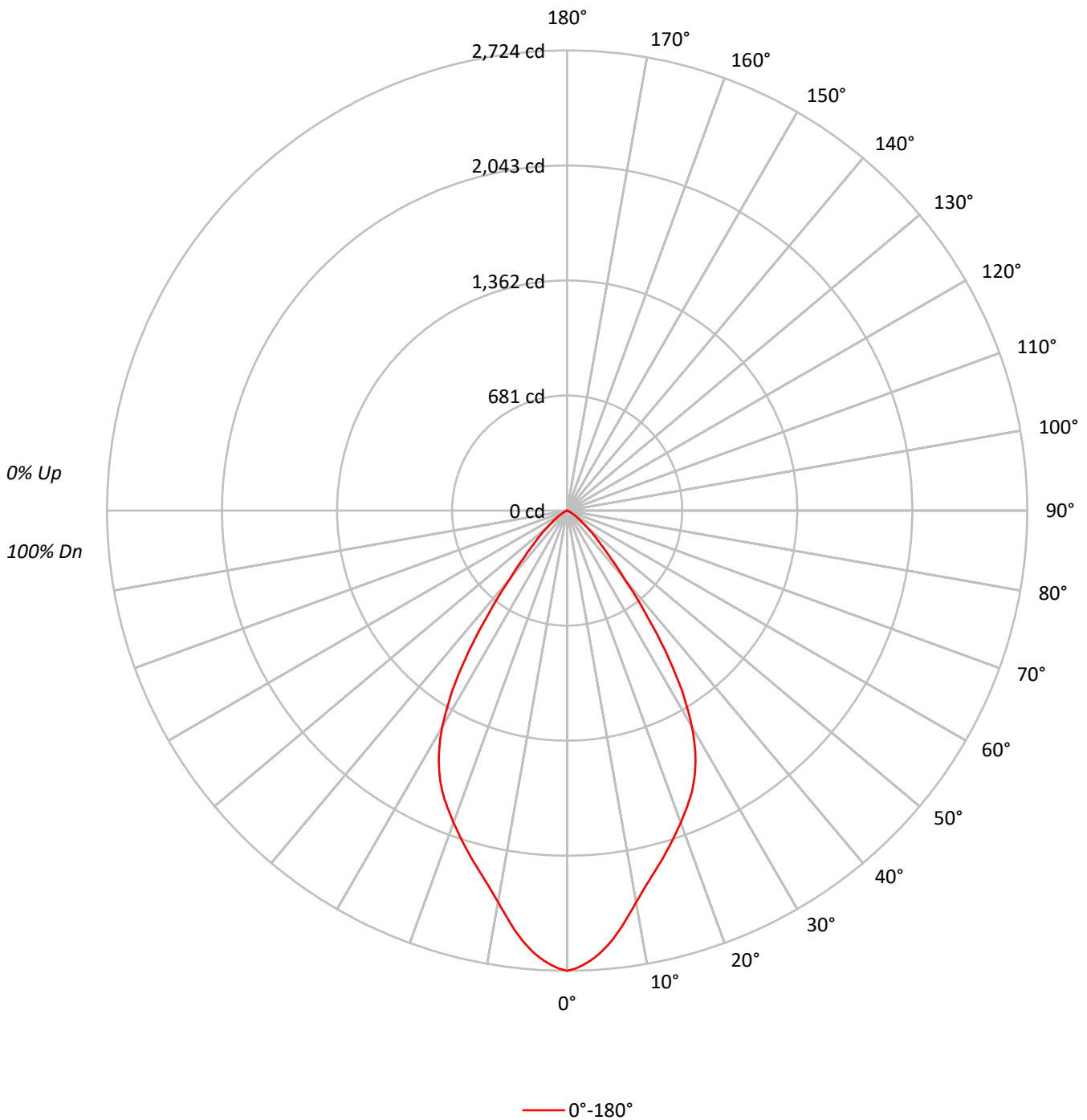
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	84014
5°	80450
10°	73715
15°	68592
20°	64515
25°	60362
30°	52641
35°	38043
40°	21331
45°	12272
50°	7508
55°	4274
60°	2220
65°	1131
70°	613
75°	369
80°	213
85°	212



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.0	9.2
10°-20°	604.0	23.2
20°-30°	805.9	31.0
30°-40°	621.2	23.9
40°-50°	231.6	8.9
50°-60°	75.7	2.9
60°-70°	17.5	0.7
70°-80°	3.5	0.1
80°-90°	0.5	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°	1649.9	63.5
0°-40°	2271.1	87.4
0°-60°	2578.5	99.2
0°-90°	2599.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2599.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2724	
5°	2599	240
15°	2149	604
25°	1774	806
35°	1011	621
45°	281	232
55°	80	76
65°	16	17
75°	3	3
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2724.5
1°	2712.7
2°	2692.8
3°	2667.3
4°	2636.2
5°	2599.0
6°	2556.7
7°	2508.3
8°	2456.7
9°	2403.3
10°	2354.2
11°	2307.0
12°	2262.9
13°	2222.5
14°	2185.3
15°	2148.6
16°	2111.4
17°	2075.3
18°	2038.1
19°	2001.4
20°	1966.0
21°	1929.4
22°	1893.9
23°	1856.7
24°	1817.5
25°	1774.1
26°	1726.2
27°	1673.4
28°	1615.0
29°	1549.8
30°	1478.4
32.5°	1269.1
35°	1010.6
37.5°	748.5
40°	529.9
42.5°	379.5
45°	281.4
47.5°	211.8
50°	156.5
52.5°	111.8
55°	79.5
57.5°	54.7
60°	36.0
62.5°	23.6
65°	15.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	10.6
70°	6.8
72.5°	4.3
75°	3.1
77.5°	1.9
80°	1.2
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)