

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: P244425

Luminaire Tested: **LSR8B30D010 EC8B30940 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244425
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 EC8B30940 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2714.9 lumens
Efficiency: N/A
Efficacy: 100.2 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

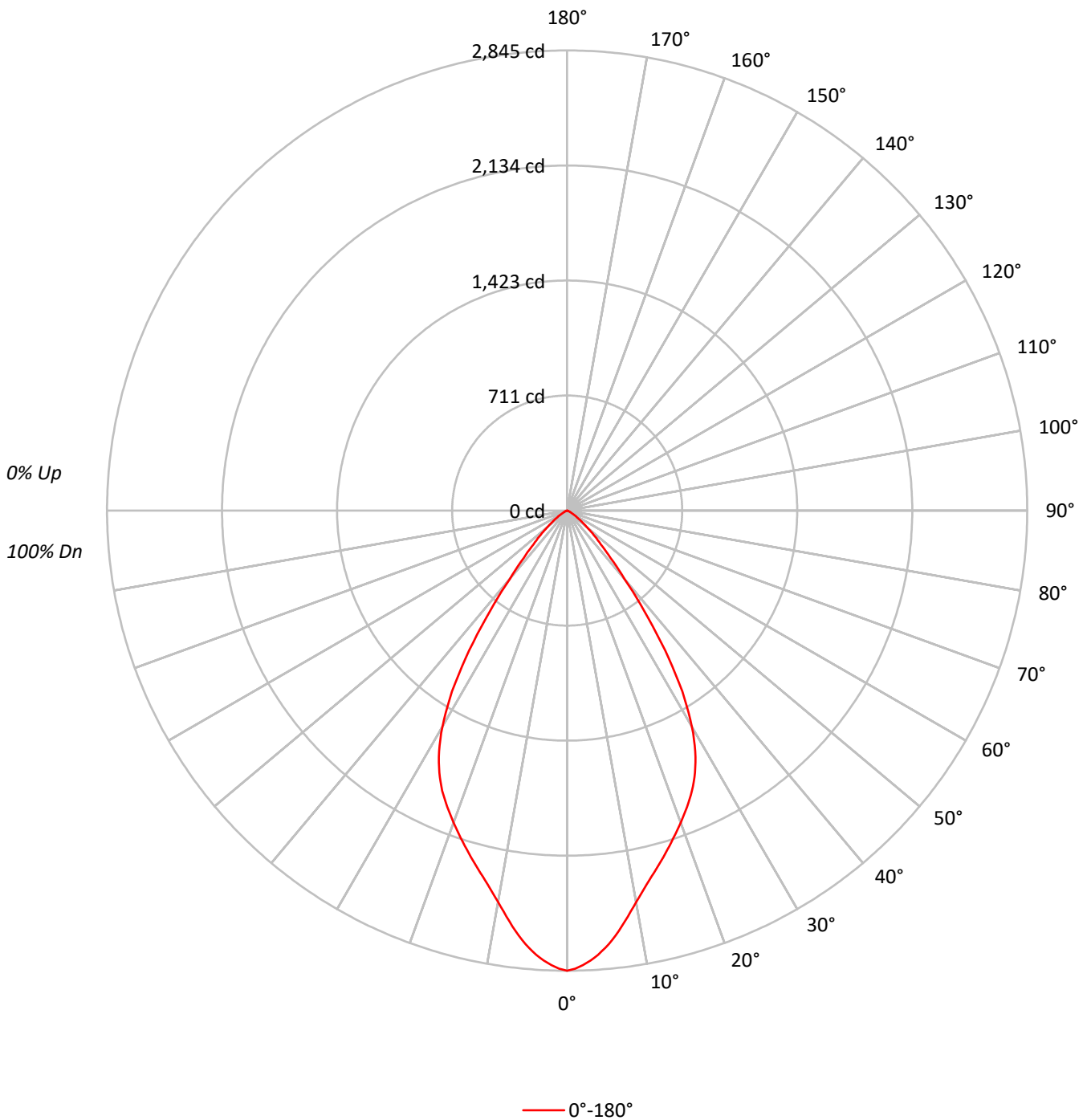
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	87729
5°	84006
10°	76977
15°	71628
20°	67370
25°	63030
30°	54970
35°	39726
40°	22273
45°	12812
50°	7844
55°	4462
60°	2319
65°	1182
70°	640
75°	381
80°	231
85°	212



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.6	9.2
10°-20°	630.7	23.2
20°-30°	841.6	31.0
30°-40°	648.7	23.9
40°-50°	241.9	8.9
50°-60°	79.1	2.9
60°-70°	18.2	0.7
70°-80°	3.6	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°	1722.9	63.5
0°-40°	2371.6	87.4
0°-60°	2692.6	99.2
0°-90°	2714.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2714.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2845	
5°	2714	251
15°	2244	631
25°	1852	842
35°	1055	649
45°	294	242
55°	83	79
65°	16	18
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2845.0
1°	2832.6
2°	2811.9
3°	2785.3
4°	2752.9
5°	2713.9
6°	2669.8
7°	2619.2
8°	2565.4
9°	2509.6
10°	2458.4
11°	2409.1
12°	2363.0
13°	2320.9
14°	2281.9
15°	2243.7
16°	2204.7
17°	2167.1
18°	2128.2
19°	2089.9
20°	2053.0
21°	2014.7
22°	1977.7
23°	1938.8
24°	1897.9
25°	1852.5
26°	1802.6
27°	1747.5
28°	1686.5
29°	1618.4
30°	1543.8
32.5°	1325.2
35°	1055.3
37.5°	781.6
40°	553.3
42.5°	396.3
45°	293.8
47.5°	221.2
50°	163.5
52.5°	116.8
55°	83.0
57.5°	57.1
60°	37.6
62.5°	24.6
65°	16.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	11.0
70°	7.1
72.5°	4.5
75°	3.2
77.5°	1.9
80°	1.3
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)