

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: P244437

Luminaire Tested: **LSR8B30D010 EC8B30927 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244437
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 EC8B30927 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2388.4 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

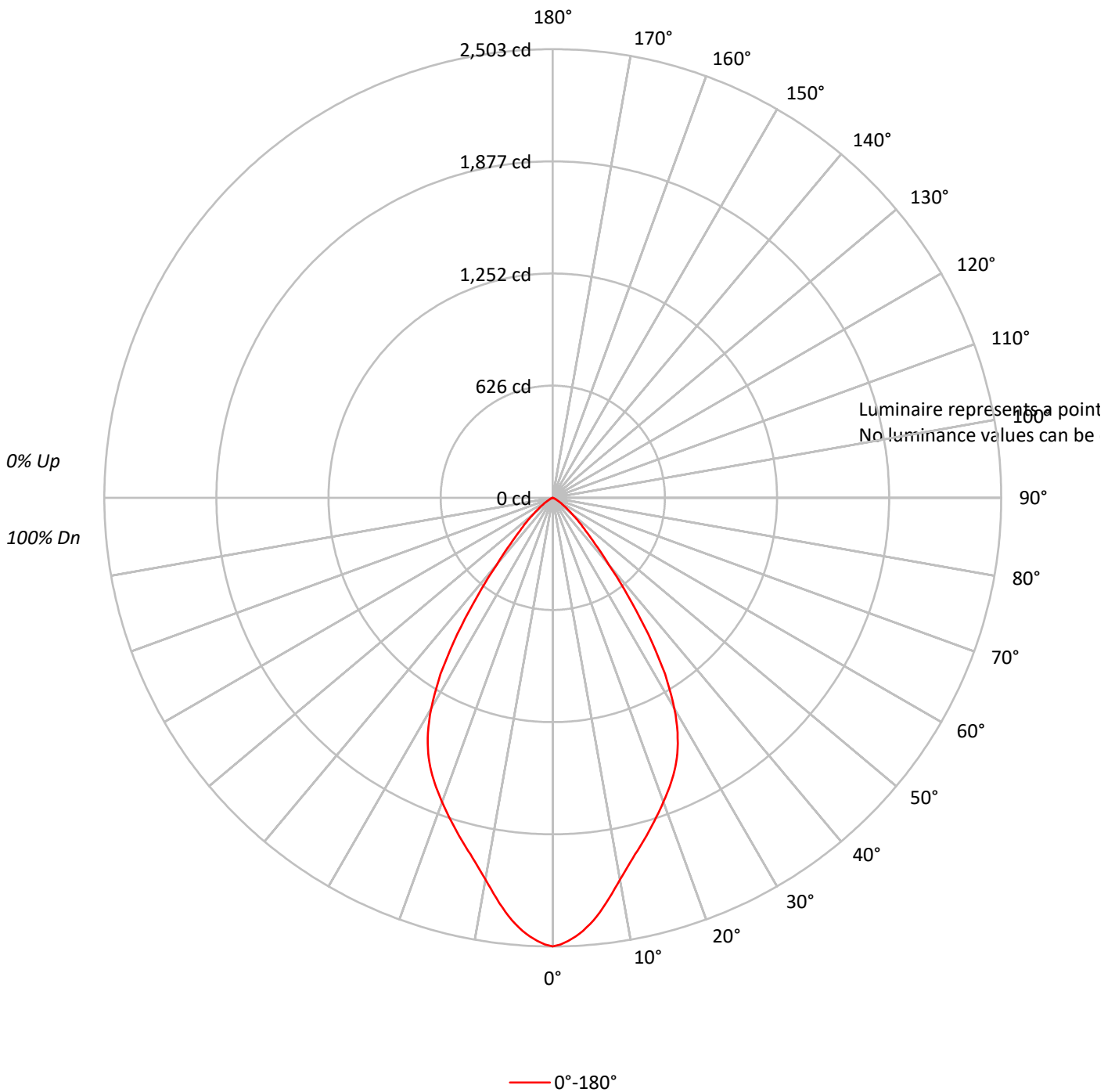
Input Watts (W): 27.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.4	9.2
10°-20°	554.9	23.2
20°-30°	740.3	31.0
30°-40°	570.6	23.9
40°-50°	212.8	8.9
50°-60°	69.6	2.9
60°-70°	16.1	0.7
70°-80°	3.2	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°	1515.6	63.5
0°-40°	2086.3	87.4
0°-60°	2368.6	99.2
0°-90°	2388.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2388.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2503	
5°	2388	220
15°	1974	555
25°	1630	740
35°	928	571
45°	258	213
55°	73	70
65°	14	16
75°	3	3
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2502.7
1°	2491.9
2°	2473.6
3°	2450.2
4°	2421.7
5°	2387.5
6°	2348.7
7°	2304.1
8°	2256.8
9°	2207.7
10°	2162.6
11°	2119.3
12°	2078.8
13°	2041.6
14°	2007.4
15°	1973.7
16°	1939.5
17°	1906.4
18°	1872.2
19°	1838.5
20°	1806.0
21°	1772.3
22°	1739.8
23°	1705.5
24°	1669.6
25°	1629.7
26°	1585.7
27°	1537.2
28°	1483.5
29°	1423.7
30°	1358.1
32.5°	1165.7
35°	928.4
37.5°	687.6
40°	486.7
42.5°	348.6
45°	258.5
47.5°	194.6
50°	143.8
52.5°	102.7
55°	73.0
57.5°	50.2
60°	33.1
62.5°	21.7
65°	14.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.7
70°	6.3
72.5°	4.0
75°	2.8
77.5°	1.7
80°	1.1
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0

(END OF REPORT)