

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: P244436

Luminaire Tested: **LSR8B20D010 EC8B20927 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244436
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: LSR8B20D010 EC8B20927 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: 1670.7 lumens
Efficiency: N/A
Efficacy: 78.4 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

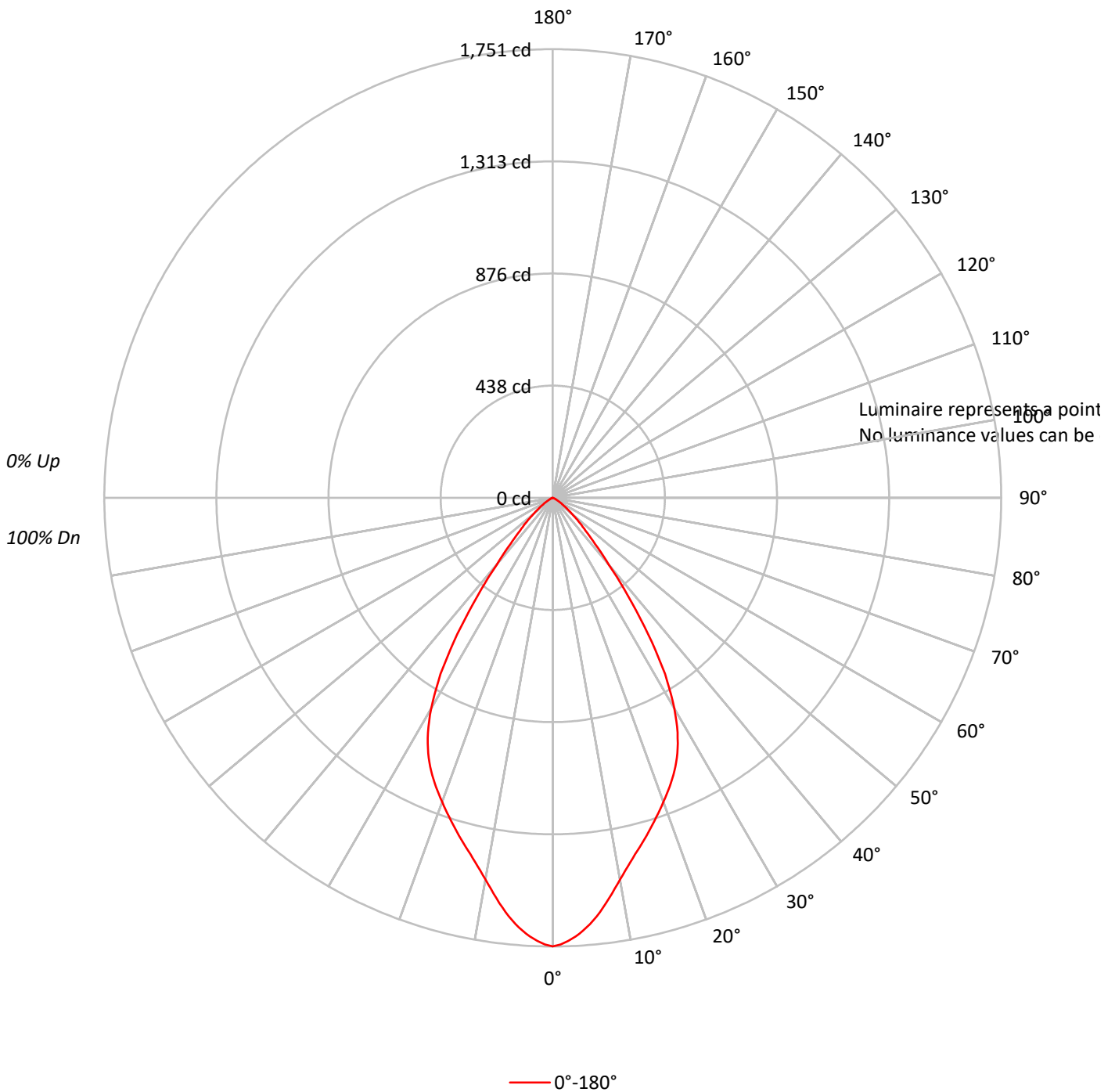
Input Watts (W): 21.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





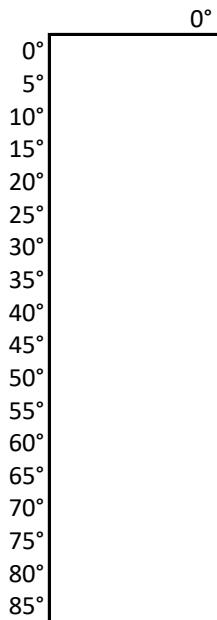
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	154.2	9.2
10°-20°	388.1	23.2
20°-30°	517.9	31.0
30°-40°	399.1	23.9
40°-50°	148.8	8.9
50°-60°	48.7	2.9
60°-70°	11.3	0.7
70°-80°	2.3	0.1
80°-90°	0.3	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°	1060.2	63.5
0°-40°	1459.3	87.3
0°-60°	1656.8	99.2
0°-90°	1670.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1670.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1751	
5°	1670	154
15°	1381	388
25°	1140	518
35°	649	399
45°	181	149
55°	51	49
65°	10	11
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1750.6
1°	1743.0
2°	1730.2
3°	1713.8
4°	1693.9
5°	1670.0
6°	1642.8
7°	1611.7
8°	1578.6
9°	1544.3
10°	1512.7
11°	1482.4
12°	1454.1
13°	1428.1
14°	1404.1
15°	1380.6
16°	1356.6
17°	1333.5
18°	1309.5
19°	1286.0
20°	1263.3
21°	1239.8
22°	1216.9
23°	1193.0
24°	1167.9
25°	1140.0
26°	1109.1
27°	1075.3
28°	1037.7
29°	995.8
30°	950.0
32.5°	815.4
35°	649.4
37.5°	480.9
40°	340.4
42.5°	243.9
45°	180.8
47.5°	136.1
50°	100.6
52.5°	71.9
55°	51.1
57.5°	35.1
60°	23.2
62.5°	15.2
65°	10.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.8
70°	4.4
72.5°	2.8
75°	2.0
77.5°	1.2
80°	0.8
82.5°	0.4
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)