

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: P244435

Luminaire Tested: **LSR8B15D010 EC8B15927 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244435
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: LSR8B15D010 EC8B15927 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: 1176.6 lumens
Efficiency: N/A
Efficacy: 81.7 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

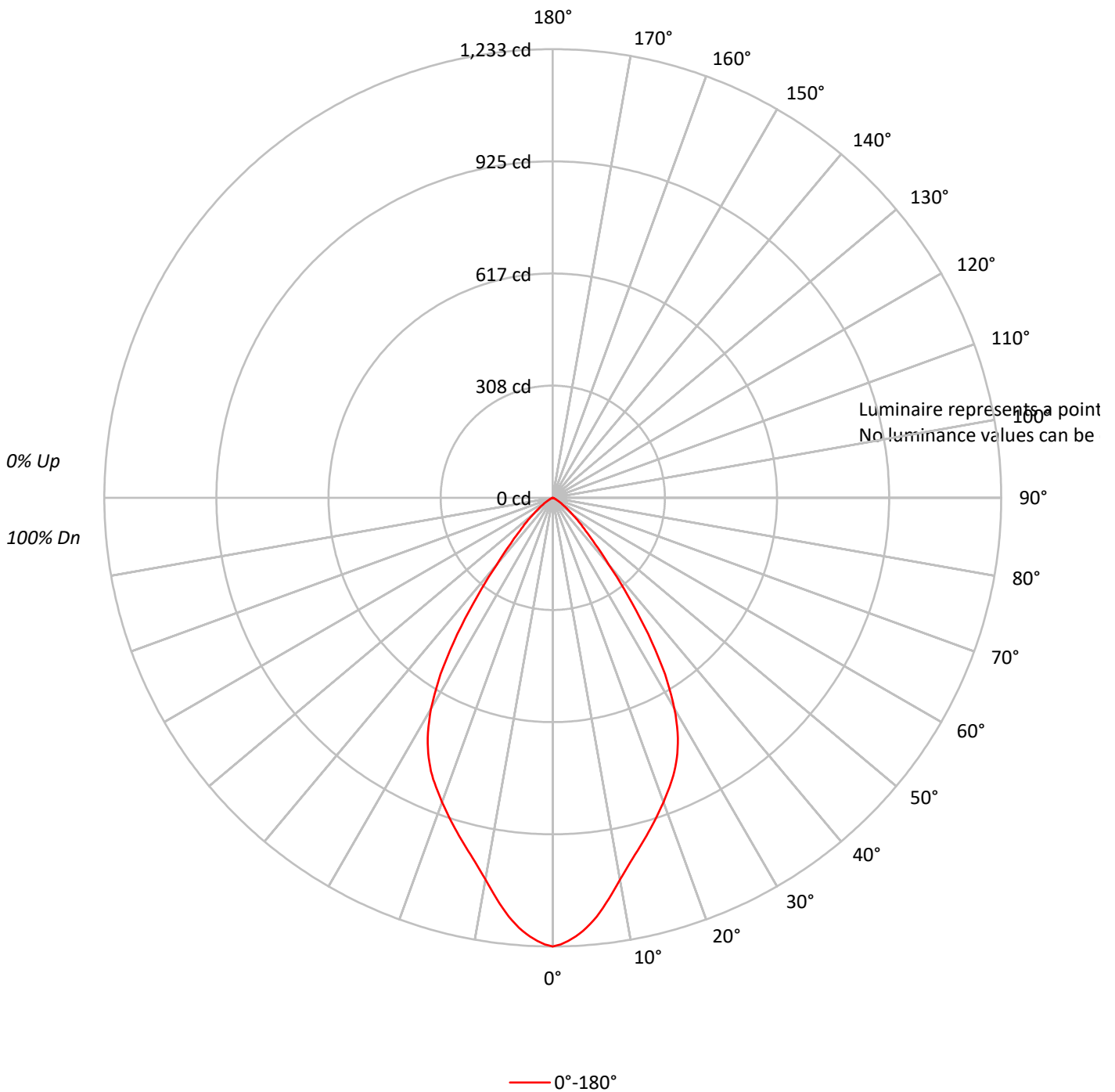
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	108.6	9.2
10°-20°	273.4	23.2
20°-30°	364.8	31.0
30°-40°	281.1	23.9
40°-50°	104.9	8.9
50°-60°	34.3	2.9
60°-70°	7.9	0.7
70°-80°	1.5	0.1
80°-90°	0.2	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°	746.7	63.5
0°-40°	1027.9	87.4
0°-60°	1167.0	99.2
0°-90°	1176.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1176.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1233	
5°	1176	109
15°	972	273
25°	803	365
35°	457	281
45°	127	105
55°	36	34
65°	7	8
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1233.1
1°	1227.7
2°	1218.7
3°	1207.2
4°	1193.2
5°	1176.3
6°	1157.2
7°	1135.2
8°	1112.0
9°	1087.8
10°	1065.5
11°	1044.1
12°	1024.2
13°	1005.9
14°	989.1
15°	972.4
16°	955.6
17°	939.3
18°	922.4
19°	905.8
20°	889.8
21°	873.2
22°	857.2
23°	840.4
24°	822.6
25°	802.9
26°	781.3
27°	757.4
28°	730.9
29°	701.4
30°	669.2
32.5°	574.3
35°	457.4
37.5°	338.7
40°	239.8
42.5°	171.8
45°	127.4
47.5°	95.9
50°	70.9
52.5°	50.6
55°	36.0
57.5°	24.8
60°	16.3
62.5°	10.7
65°	7.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.7
70°	3.0
72.5°	1.9
75°	1.3
77.5°	0.8
80°	0.6
82.5°	0.2
85°	0.2
87.5°	0.0
90°	0.0

(END OF REPORT)