

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: P244429

Luminaire Tested: **LSR8B15D010 EC8B15950 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244429
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 EC8B15950 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1385.0 lumens
Efficiency: N/A
Efficacy: 96.2 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

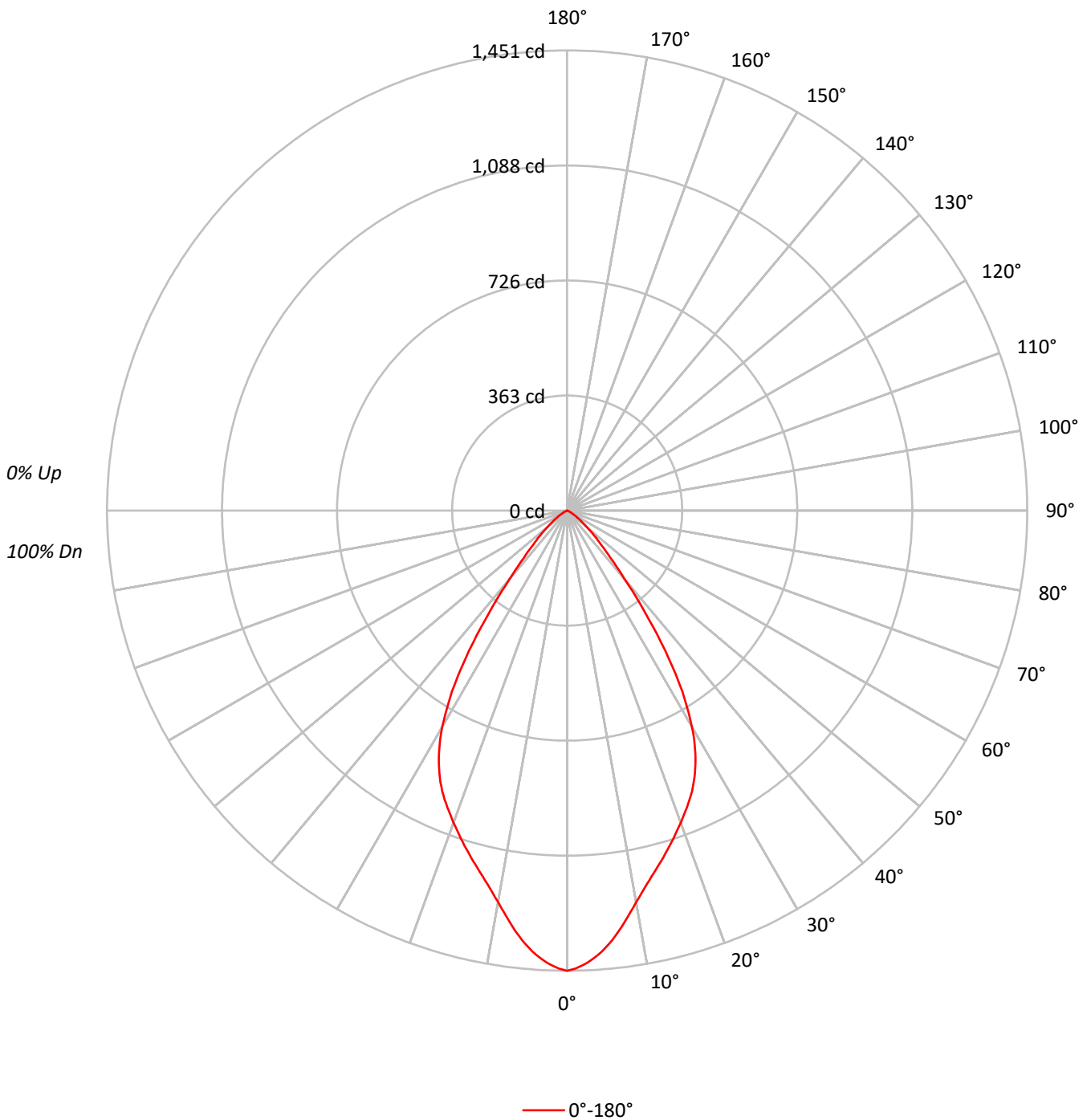
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):

	0°
0°	44753
5°	42856
10°	39268
15°	36540
20°	34367
25°	32153
30°	28040
35°	20268
40°	11364
45°	6537
50°	4001
55°	2279
60°	1184
65°	606
70°	325
75°	203
80°	124
85°	106



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	9.2
10°-20°	321.8	23.2
20°-30°	429.3	31.0
30°-40°	330.9	23.9
40°-50°	123.4	8.9
50°-60°	40.4	2.9
60°-70°	9.3	0.7
70°-80°	1.9	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°	878.9	63.5
0°-40°	1209.8	87.3
0°-60°	1373.6	99.2
0°-90°	1385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1385.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1451	
5°	1384	128
15°	1145	322
25°	945	429
35°	538	331
45°	150	123
55°	42	40
65°	8	9
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1451.3
1°	1445.0
2°	1434.4
3°	1420.9
4°	1404.3
5°	1384.5
6°	1362.0
7°	1336.1
8°	1308.7
9°	1280.2
10°	1254.1
11°	1228.9
12°	1205.4
13°	1183.9
14°	1164.1
15°	1144.6
16°	1124.7
17°	1105.5
18°	1085.7
19°	1066.1
20°	1047.3
21°	1027.8
22°	1008.9
23°	989.0
24°	968.2
25°	945.0
26°	919.6
27°	891.4
28°	860.3
29°	825.6
30°	787.5
32.5°	676.0
35°	538.4
37.5°	398.7
40°	282.3
42.5°	202.2
45°	149.9
47.5°	112.8
50°	83.4
52.5°	59.6
55°	42.4
57.5°	29.1
60°	19.2
62.5°	12.6
65°	8.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.6
70°	3.6
72.5°	2.3
75°	1.7
77.5°	1.0
80°	0.7
82.5°	0.3
85°	0.3
87.5°	0.0
90°	0.0

(END OF REPORT)