

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: P249872

Luminaire Tested: **LSR8B150D010 EC8B150827 8LBM0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13954)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150827 8LBM0H
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14790.0 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.93
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

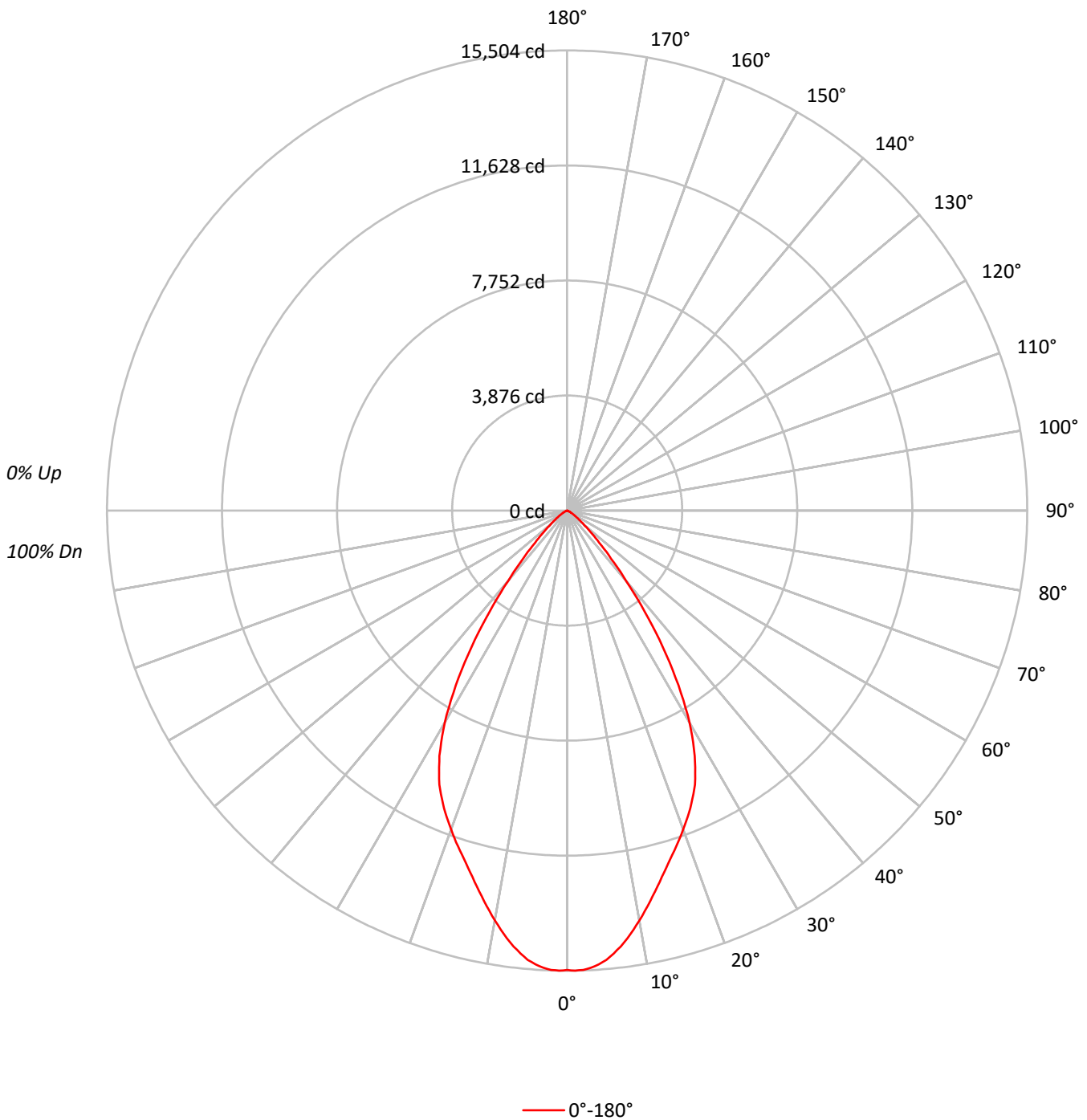
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	100	99	98	97	96	95	93
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86
3	101	95	90	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	82	77	85	80	76	83	79	76	81	77	75	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58
8	77	67	61	57	76	67	61	56	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	53	49	69	59	53	49	58	53	49	57	53	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	477358
5°	470329
10°	438935
15°	402898
20°	375243
25°	346692
30°	293997
35°	211496
40°	124594
45°	66582
50°	34742
55°	19591
60°	10811
65°	6392
70°	2912
75°	1644
80°	817
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1411.3	9.5
10°-20°	3550.8	24.0
20°-30°	4609.7	31.2
30°-40°	3479.3	23.5
40°-50°	1273.1	8.6
50°-60°	355.9	2.4
60°-70°	93.6	0.6
70°-80°	15.7	0.1
80°-90°	0.6	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°	9571.8	64.7
0°-40°	13051.1	88.2
0°-60°	14680.1	99.3
0°-90°	14790.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14790.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15480	
5°	15194	###
15°	12620	3551
25°	10190	4610
35°	5618	3479
45°	1527	1273
55°	364	356
65°	88	94
75°	14	16
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15480.4
1°	15503.5
2°	15485.0
3°	15425.0
4°	15323.6
5°	15194.4
6°	15005.3
7°	14797.7
8°	14557.8
9°	14294.9
10°	14018.1
11°	13741.4
12°	13455.4
13°	13164.8
14°	12888.0
15°	12620.5
16°	12366.8
17°	12122.3
18°	11900.9
19°	11670.3
20°	11435.0
22.5°	10849.2
25°	10189.6
27.5°	9317.8
30°	8256.8
32.5°	6979.1
35°	5618.3
37.5°	4289.9
40°	3095.2
42.5°	2191.1
45°	1526.8
47.5°	1074.8
50°	724.2
52.5°	530.5
55°	364.4
57.5°	262.9
60°	175.3
62.5°	129.2
65°	87.6
67.5°	60.0
70°	32.3
72.5°	23.1
75°	13.8
77.5°	4.6
80°	4.6



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)