

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: P250544

Luminaire Tested: **LSR8B150D010 EC8B150827 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13928)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150827 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9592.9 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

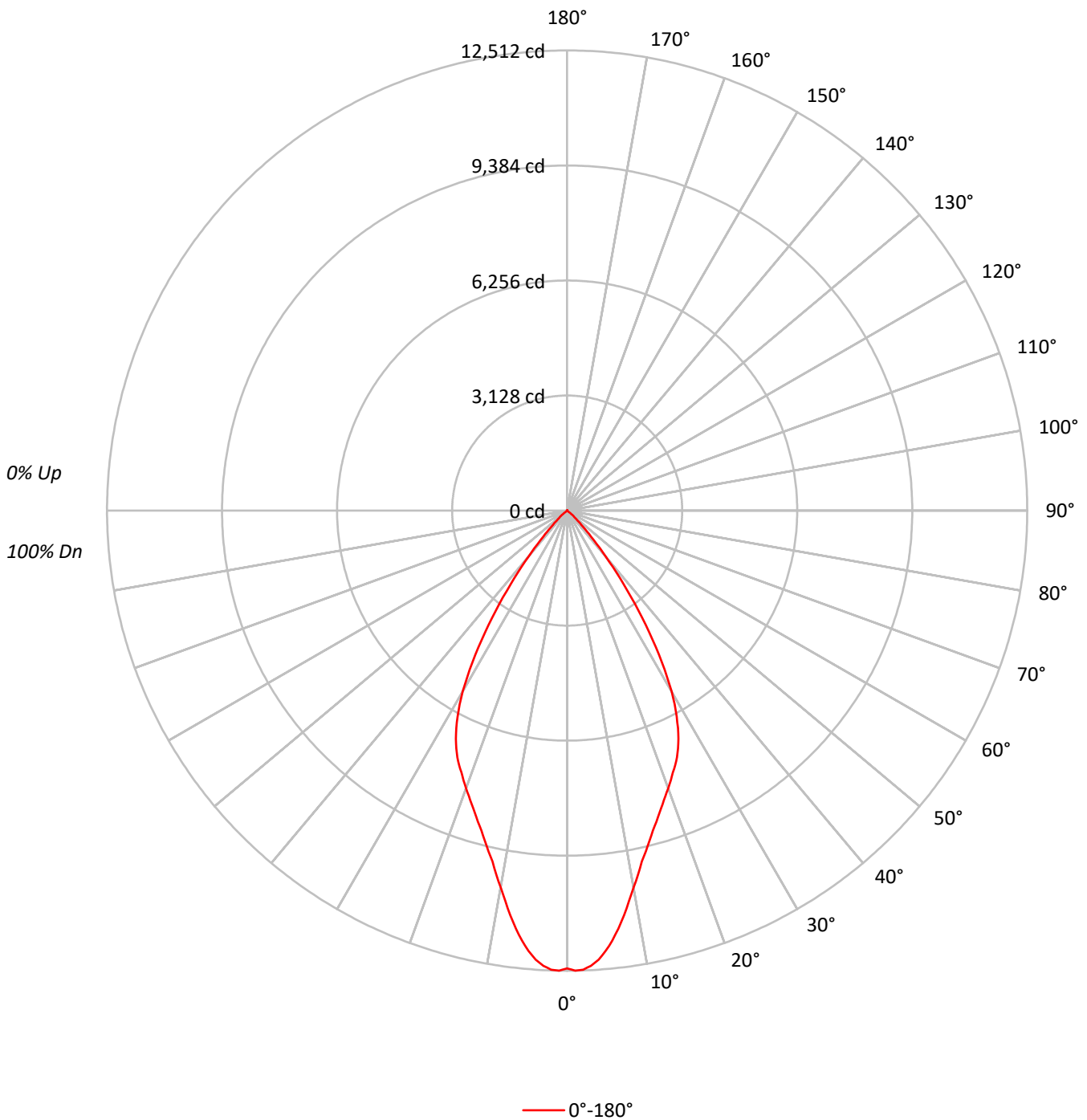
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86		90	87	84		88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74		80	76	73		79	75	72	71
6	88	79	74	69	87	79	73	69	77	72	69		76	71	68		74	71	68	66
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60		68	63	60		67	63	60	58
9	76	66	61	57	75	66	60	57	65	60	56		64	60	56		63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	383826
5°	372090
10°	325877
15°	287703
20°	263635
25°	242748
30°	202043
35°	134198
40°	65312
45°	23654
50°	7119
55°	500
60°	0
65°	336
70°	0
75°	0
80°	817
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1093.3	11.4
10°-20°	2539.0	26.5
20°-30°	3221.1	33.6
30°-40°	2206.7	23.0
40°-50°	502.9	5.2
50°-60°	25.1	0.3
60°-70°	1.1	0.0
70°-80°	1.8	0.0
80°-90°	1.9	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°	6853.4	71.4
0°-40°	9060.2	94.4
0°-60°	9588.1	99.9
0°-90°	9592.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9592.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12447	
5°	12021	###
15°	9012	2539
25°	7135	3221
35°	3565	2207
45°	542	503
55°	9	25
65°	5	1
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12447.2
1°	12512.1
2°	12488.9
3°	12396.2
4°	12238.5
5°	12020.7
6°	11756.5
7°	11450.5
8°	11112.1
9°	10750.4
10°	10407.4
11°	10092.2
12°	9753.8
13°	9508.1
14°	9248.5
15°	9012.1
16°	8798.8
17°	8590.1
18°	8395.5
19°	8205.4
20°	8033.9
21°	7857.7
22°	7676.9
23°	7519.3
24°	7343.2
25°	7134.6
26°	6902.7
27°	6633.9
28°	6346.5
29°	6026.6
30°	5674.3
31°	5275.6
32°	4863.0
33°	4431.9
34°	3991.4
35°	3564.9
37.5°	2517.3
40°	1622.5
42.5°	955.0
45°	542.4
47.5°	292.1
50°	148.4
52.5°	27.8
55°	9.3
57.5°	4.6



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	4.6
67.5°	0.0
70°	0.0
72.5°	4.6
75°	0.0
77.5°	0.0
80°	4.6
82.5°	0.0
85°	0.0
87.5°	4.6
90°	0.0

(END OF REPORT)