

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: P250565

Luminaire Tested: **LSR8B150D010 EC8B150840 8LBM0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250565
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 EC8B150840 8LBM0B
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10158.0 lumens
Efficiency: N/A
Efficacy: 64.1 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

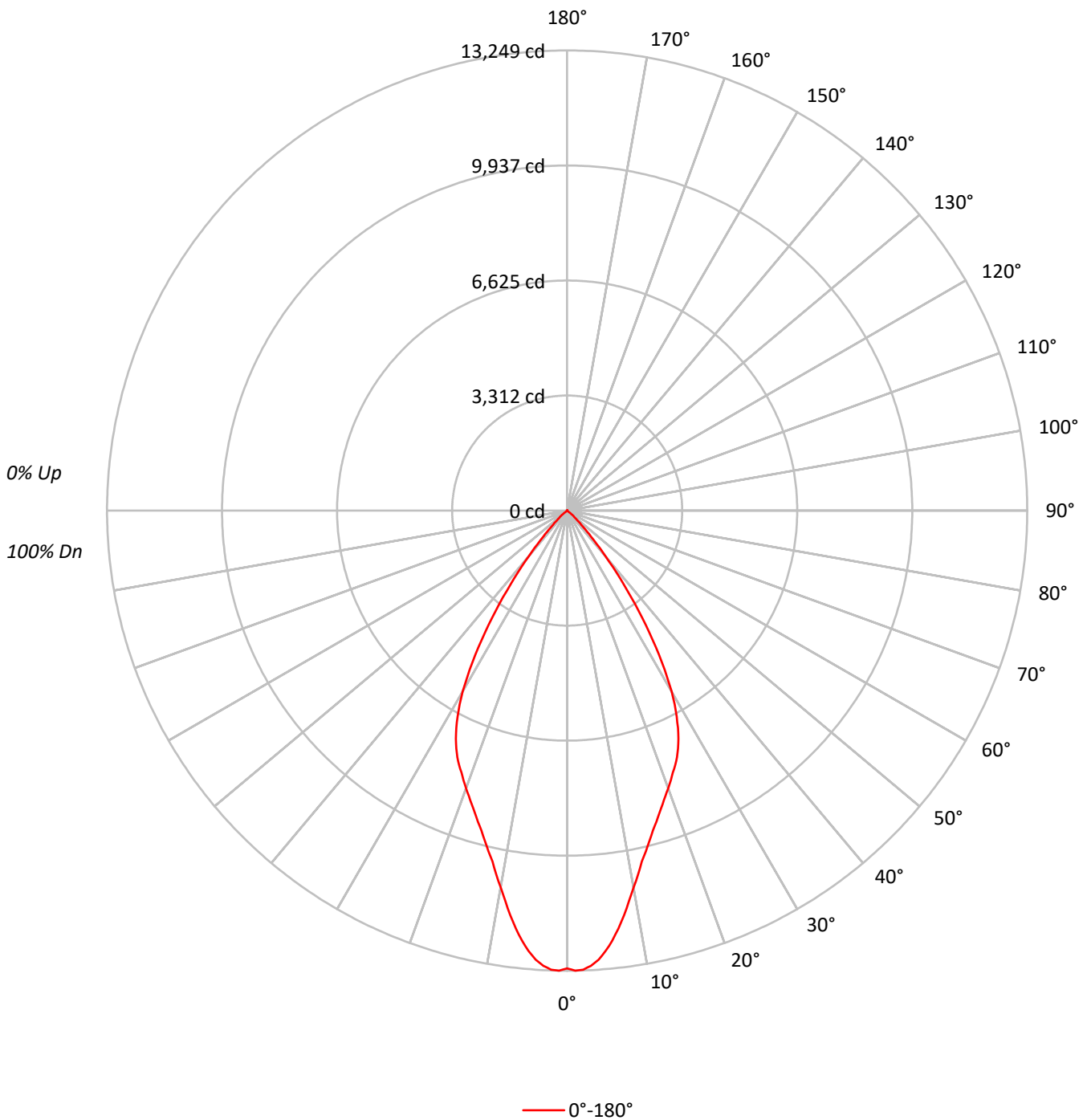
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	406435
5°	394006
10°	345071
15°	304649
20°	279160
25°	257045
30°	213943
35°	142103
40°	69160
45°	25049
50°	7537
55°	527
60°	0
65°	358
70°	0
75°	0
80°	870
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1157.7	11.4
10°-20°	2688.6	26.5
20°-30°	3410.8	33.6
30°-40°	2336.7	23.0
40°-50°	532.5	5.2
50°-60°	26.5	0.3
60°-70°	1.2	0.0
70°-80°	1.9	0.0
80°-90°	2.0	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°	7257.1	71.4
0°-40°	9593.8	94.4
0°-60°	10152.8	99.9
0°-90°	10158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10158.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13180	
5°	12729	###
15°	9543	2689
25°	7555	3411
35°	3775	2337
45°	574	533
55°	10	27
65°	5	1
75°	0	2
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13180.4
1°	13249.1
2°	13224.4
3°	13126.3
4°	12959.4
5°	12728.7
6°	12448.9
7°	12124.9
8°	11766.5
9°	11383.6
10°	11020.4
11°	10686.6
12°	10328.3
13°	10068.1
14°	9793.2
15°	9542.9
16°	9317.1
17°	9096.1
18°	8890.0
19°	8688.7
20°	8507.0
21°	8320.5
22°	8129.1
23°	7962.2
24°	7775.7
25°	7554.8
26°	7309.3
27°	7024.6
28°	6720.3
29°	6381.5
30°	6008.5
31°	5586.3
32°	5149.4
33°	4692.9
34°	4226.5
35°	3774.9
37.5°	2665.5
40°	1718.1
42.5°	1011.2
45°	574.4
47.5°	309.3
50°	157.1
52.5°	29.4
55°	9.8
57.5°	4.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	0.0
62.5°	0.0
65°	4.9
67.5°	0.0
70°	0.0
72.5°	4.9
75°	0.0
77.5°	0.0
80°	4.9
82.5°	0.0
85°	0.0
87.5°	4.9
90°	0.0

(END OF REPORT)