

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: P248039

Luminaire Tested: **LSR8B150D010 EC8B150935 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13941)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B150935 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13097.0 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

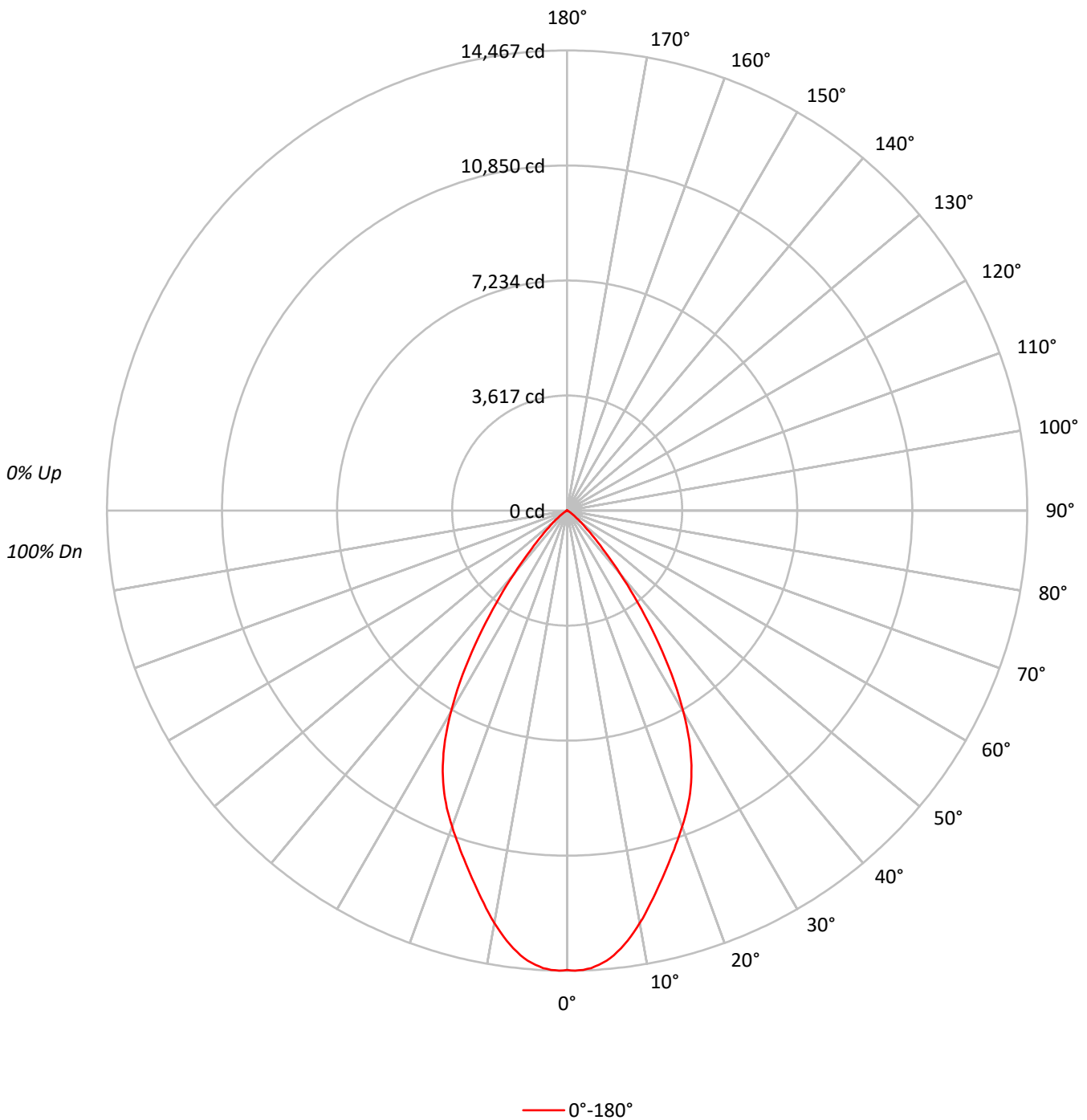
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74
5	92	83	77	73	90	82	76	72	80	75	72	79	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	75	70	66	74	69	66	73	69	65	64
7	82	73	67	62	81	72	66	62	71	66	62	70	65	61	68	64	61	60
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	60	55	51	60	54	51	59	54	51	58	54	50	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	445483
5°	439749
10°	412245
15°	376982
20°	347048
25°	314481
30°	260406
35°	182635
40°	103932
45°	50975
50°	25157
55°	11408
60°	5433
65°	2926
70°	361
75°	477
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1322.0	10.1
10°-20°	3314.9	25.3
20°-30°	4184.6	32.0
30°-40°	3010.3	23.0
40°-50°	996.3	7.6
50°-60°	217.0	1.7
60°-70°	44.8	0.3
70°-80°	4.7	0.0
80°-90°	2.2	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°	8821.6	67.4
0°-40°	11832.0	90.3
0°-60°	13045.3	99.6
0°-90°	13097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13097.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14447	
5°	14206	###
15°	11809	3315
25°	9243	4185
35°	4852	3010
45°	1169	996
55°	212	217
65°	40	45
75°	4	5
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14446.7
1°	14466.7
2°	14450.6
3°	14402.6
4°	14314.6
5°	14206.5
6°	14058.4
7°	13866.3
8°	13654.0
9°	13421.9
10°	13165.7
11°	12905.5
12°	12621.3
13°	12349.1
14°	12072.9
15°	11808.7
16°	11548.5
17°	11300.3
18°	11052.2
19°	10816.0
20°	10575.8
21°	10331.6
22°	10091.5
23°	9831.2
24°	9551.1
25°	9242.9
26°	8918.6
27°	8558.3
28°	8178.1
29°	7753.7
30°	7313.4
31°	6849.1
32°	6360.7
33°	5848.3
34°	5347.9
35°	4851.6
37.5°	3642.7
40°	2581.9
42.5°	1749.3
45°	1168.9
47.5°	784.5
50°	524.4
52.5°	316.3
55°	212.2
57.5°	148.1



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CANDELA DISTRIBUTION (continued):

	0°
60°	88.1
62.5°	60.0
65°	40.1
67.5°	36.0
70°	4.0
72.5°	8.0
75°	4.0
77.5°	4.0
80°	0.0
82.5°	8.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)