

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: P248048

Luminaire Tested: **LSR8B150D010 EC8B150927 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248048
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 EC8B150927 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12029.6 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.9
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

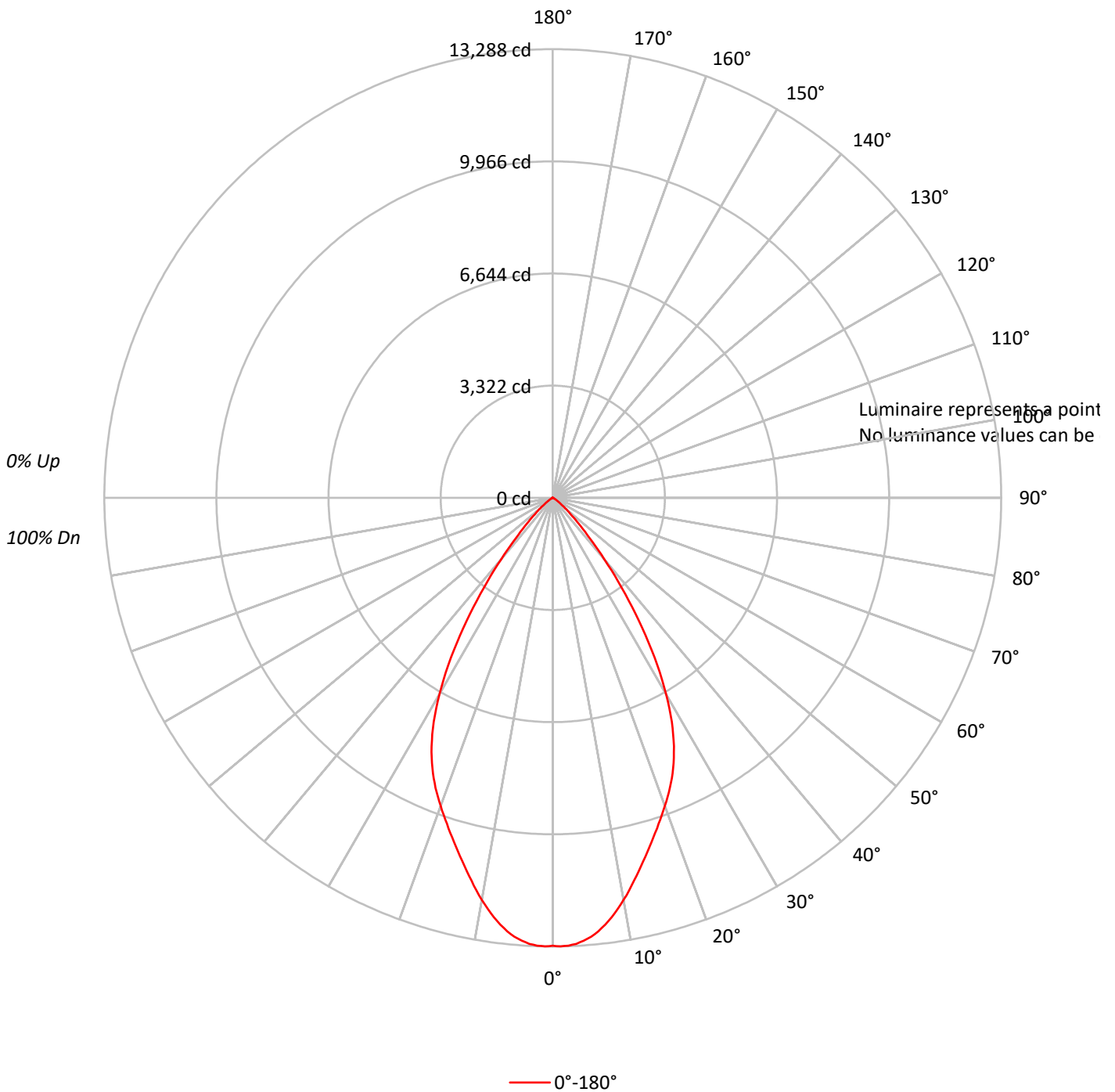
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1214.3	10.1
10°-20°	3044.8	25.3
20°-30°	3843.6	32.0
30°-40°	2765.0	23.0
40°-50°	915.1	7.6
50°-60°	199.3	1.7
60°-70°	41.1	0.3
70°-80°	4.4	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°	8102.7	67.4
0°-40°	10867.7	90.3
0°-60°	11982.1	99.6
0°-90°	12029.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12029.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13269	
5°	13049	###
15°	10846	3045
25°	8490	3844
35°	4456	2765
45°	1074	915
55°	195	199
65°	37	41
75°	4	4
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13269.4
1°	13287.7
2°	13273.0
3°	13228.9
4°	13148.0
5°	13048.6
6°	12912.6
7°	12736.2
8°	12541.3
9°	12328.1
10°	12092.7
11°	11853.8
12°	11592.7
13°	11342.7
14°	11089.0
15°	10846.4
16°	10607.3
17°	10379.4
18°	10151.4
19°	9934.5
20°	9713.9
21°	9489.6
22°	9269.0
23°	9030.0
24°	8772.8
25°	8489.6
26°	8191.7
27°	7860.8
28°	7511.6
29°	7121.8
30°	6717.4
31°	6290.9
32°	5842.3
33°	5371.8
34°	4912.1
35°	4456.1
37.5°	3345.9
40°	2371.5
42.5°	1606.7
45°	1073.6
47.5°	720.6
50°	481.6
52.5°	290.5
55°	194.8
57.5°	136.0



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CANDELA DISTRIBUTION (continued):

	0°
60°	80.9
62.5°	55.1
65°	36.8
67.5°	33.1
70°	3.7
72.5°	7.4
75°	3.7
77.5°	3.7
80°	0.0
82.5°	7.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)