

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: P248051

Luminaire Tested: **LSR8B150D010 EC8B1509730 8LBM0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248051
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 EC8B1509730 8LBM0WMH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11313.0 lumens
Efficiency: N/A
Efficacy: 71.4 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

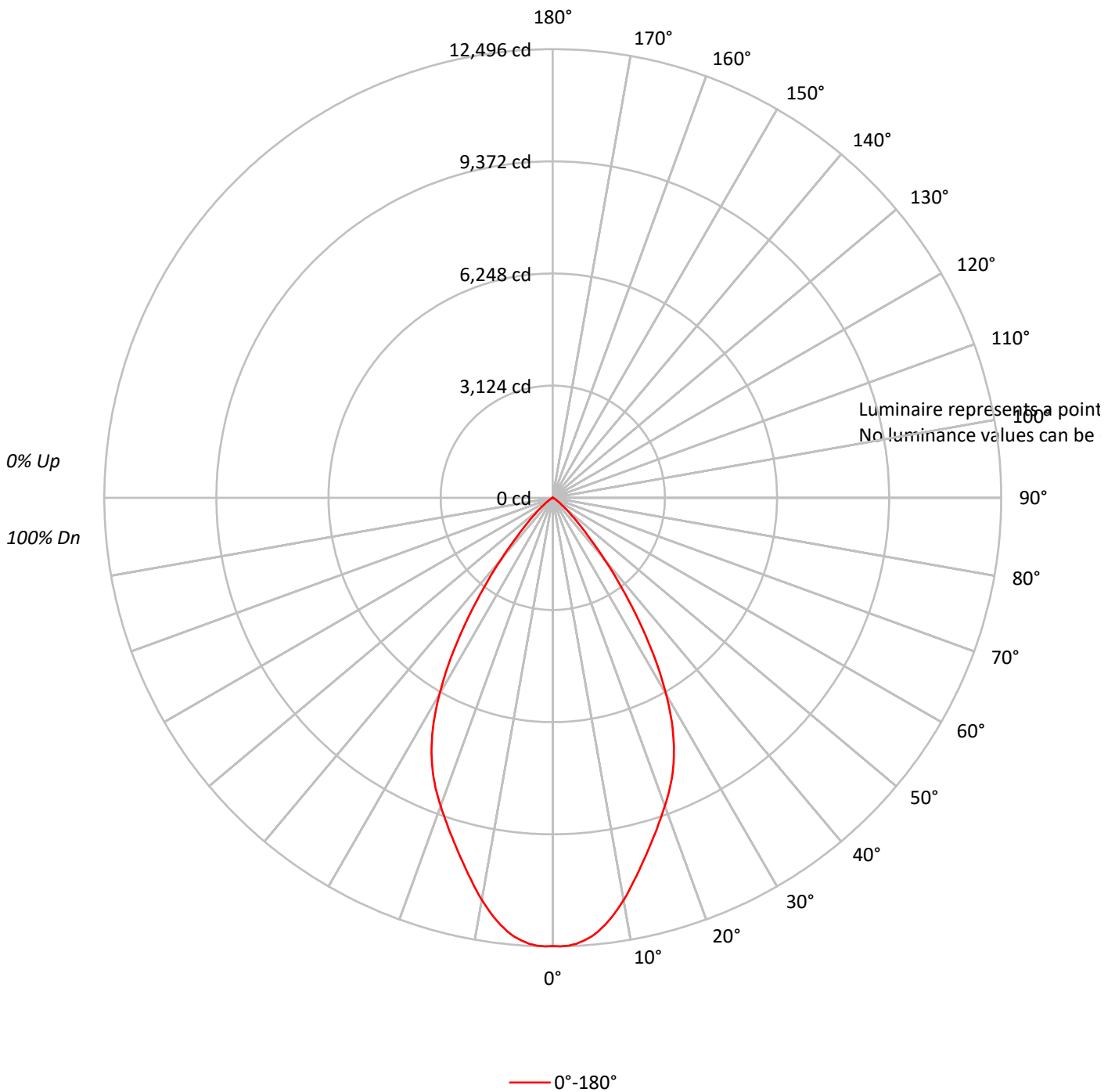
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





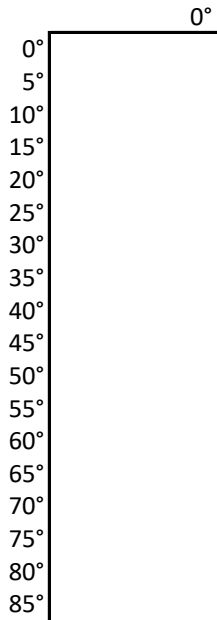
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1142.0	10.1
10°-20°	2863.4	25.3
20°-30°	3614.6	32.0
30°-40°	2600.3	23.0
40°-50°	860.6	7.6
50°-60°	187.5	1.7
60°-70°	38.7	0.3
70°-80°	4.1	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°	7620.0	67.4
0°-40°	10220.3	90.3
0°-60°	11268.4	99.6
0°-90°	11313.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11313.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12479	
5°	12271	###
15°	10200	2863
25°	7984	3615
35°	4191	2600
45°	1010	861
55°	183	187
65°	35	39
75°	4	4
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12478.9
1°	12496.1
2°	12482.3
3°	12440.8
4°	12364.7
5°	12271.3
6°	12143.4
7°	11977.5
8°	11794.2
9°	11593.7
10°	11372.3
11°	11147.6
12°	10902.1
13°	10667.0
14°	10428.4
15°	10200.2
16°	9975.4
17°	9761.0
18°	9546.7
19°	9342.7
20°	9135.2
21°	8924.3
22°	8716.9
23°	8492.1
24°	8250.1
25°	7983.8
26°	7703.7
27°	7392.5
28°	7064.1
29°	6697.5
30°	6317.2
31°	5916.1
32°	5494.3
33°	5051.7
34°	4619.5
35°	4190.7
37.5°	3146.5
40°	2230.3
42.5°	1511.0
45°	1009.7
47.5°	677.7
50°	453.0
52.5°	273.2
55°	183.3
57.5°	127.9



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CANDELA DISTRIBUTION (continued):

	0°
60°	76.1
62.5°	51.9
65°	34.6
67.5°	31.1
70°	3.5
72.5°	6.9
75°	3.5
77.5°	3.5
80°	0.0
82.5°	6.9
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)