

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: P248012

Luminaire Tested: **LSR8B150D010 EC8B1509727 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P248012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-71)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B1509727 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11034.0 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.06
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

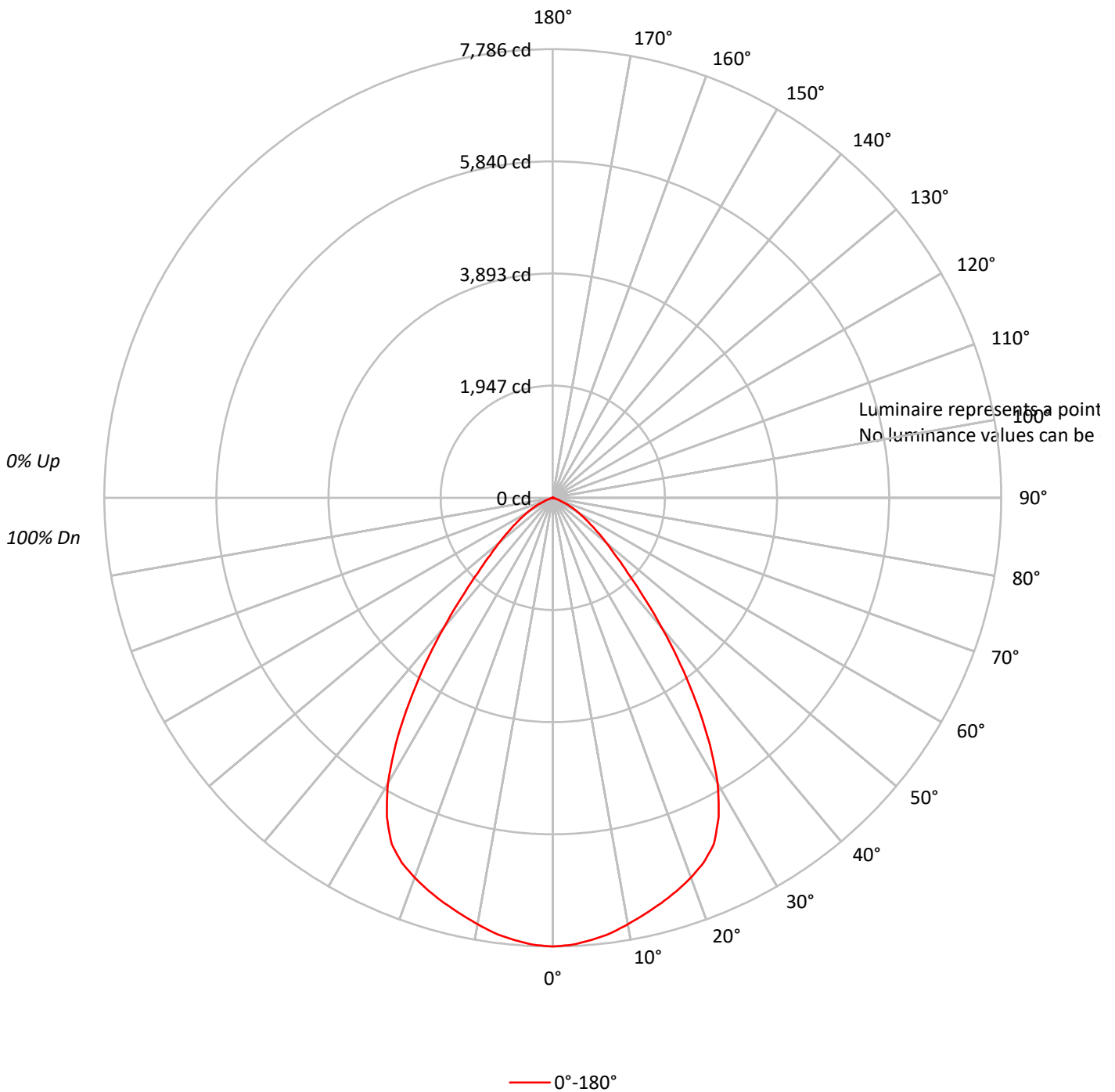
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	77	72	91	82	76	72	80	75	71	78	74	70	76	72	69	67
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61
6	82	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	58	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47
9	68	57	50	46	67	56	50	46	55	49	45	54	49	45	54	49	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.6	6.6
10°-20°	2054.7	18.6
20°-30°	3000.6	27.2
30°-40°	2698.6	24.5
40°-50°	1475.8	13.4
50°-60°	731.7	6.6
60°-70°	288.9	2.6
70°-80°	46.5	0.4
80°-90°	7.6	0.1
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°	5784.9	52.4
0°-40°	8483.4	76.9
0°-60°	10690.9	96.9
0°-90°	11034.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11034.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7786	
5°	7704	730
15°	7280	2055
25°	6622	3001
35°	4355	2699
45°	1838	1476
55°	794	732
65°	289	289
75°	36	47
85°	10	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7786.1
2.5°	7764.5
5°	7703.9
7.5°	7625.2
10°	7514.5
12.5°	7396.8
15°	7279.9
17.5°	7154.5
20°	7012.5
22.5°	6850.2
25°	6621.9
27.5°	6237.5
30°	5724.3
32.5°	5077.4
35°	4355.4
37.5°	3634.7
40°	2946.1
42.5°	2325.7
45°	1837.5
47.5°	1472.7
50°	1215.7
52.5°	989.4
55°	793.8
57.5°	641.3
60°	513.2
62.5°	405.9
65°	289.0
67.5°	172.0
70°	103.7
72.5°	58.5
75°	35.5
77.5°	23.0
80°	16.7
82.5°	5.6
85°	9.7
87.5°	4.2
90°	0.0

(END OF REPORT)