

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: P247868

Luminaire Tested: **LSR8B150D010 EC8B1509727 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-90)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B150D010 EC8B1509727 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 2700 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11558.0 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.76
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

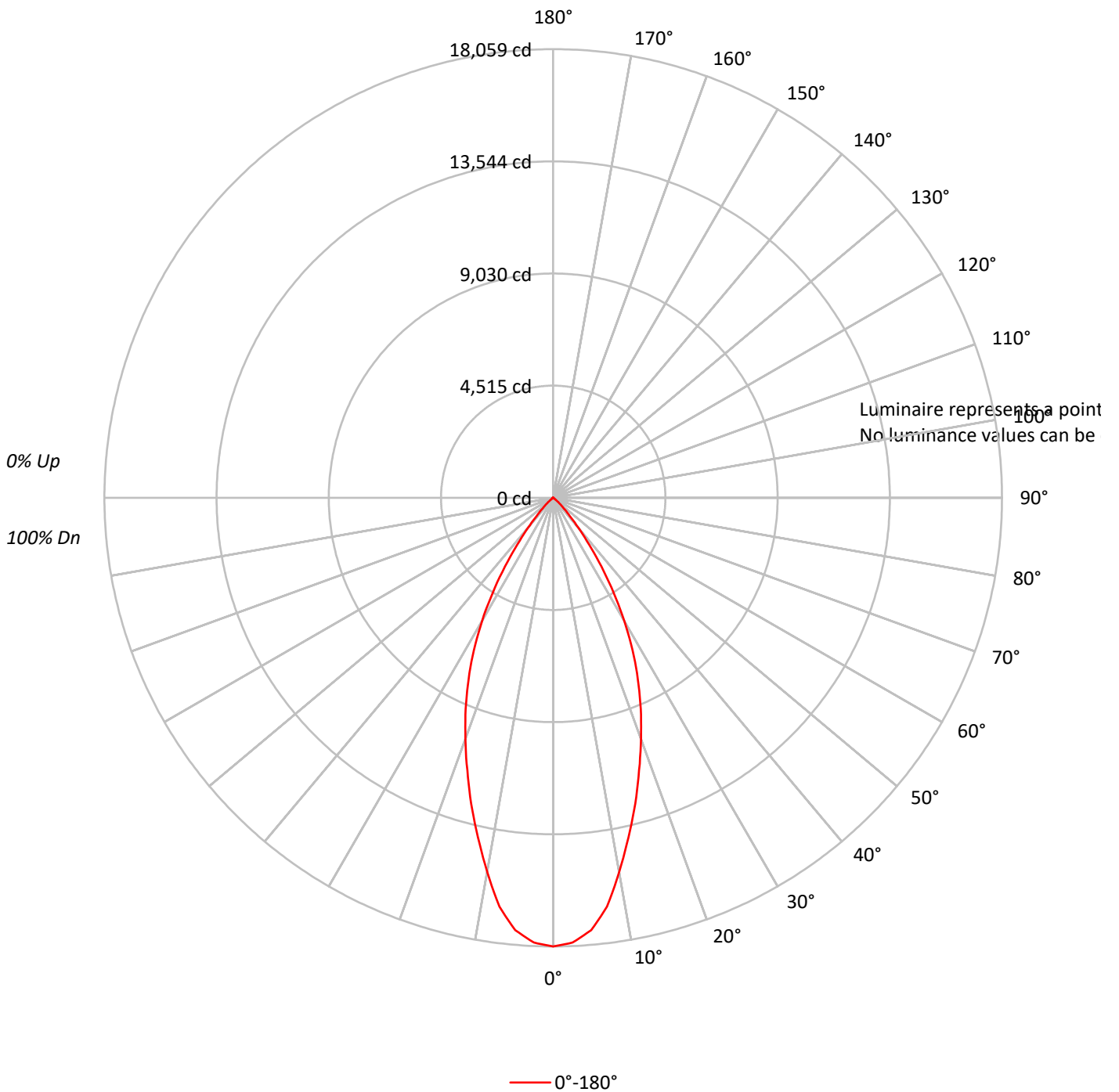
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100		
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94	94	94	94	94		
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88	88	88	88	88		
3	103	97	93	89	102	96	92	88	93	90	87	91	88	85	89	86	84	83	83	83	83	83		
4	99	91	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78	78	78	78	78		
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73	73	73	73	73		
6	90	81	76	72	88	80	75	71	79	74	71	78	73	70	76	73	70	68	68	68	68	68		
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65	65	65	65	65		
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61	61	61	61	61		
9	78	69	63	60	77	68	63	59	68	63	59	67	62	59	66	62	59	58	58	58	58	58		
10	75	66	60	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55	55	55	55	55		

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1598.1	13.8
10°-20°	3545.0	30.7
20°-30°	3662.0	31.7
30°-40°	2134.9	18.5
40°-50°	535.0	4.6
50°-60°	64.8	0.6
60°-70°	13.6	0.1
70°-80°	1.7	0.0
80°-90°	2.9	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°	8805.1	76.2
0°-40°	10940.0	94.7
0°-60°	11539.8	99.8
0°-90°	11558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11558.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18059	
5°	17474	###
15°	12745	3545
25°	8052	3662
35°	3376	2135
45°	607	535
55°	55	65
65°	9	14
75°	1	2
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18058.8
2.5°	17918.8
5°	17473.9
7.5°	16598.0
10°	15287.7
12.5°	13989.9
15°	12745.0
17.5°	11495.9
20°	10323.4
22.5°	9196.8
25°	8052.2
27.5°	6913.8
30°	5718.3
32.5°	4538.9
35°	3376.1
37.5°	2372.1
40°	1554.7
42.5°	979.6
45°	607.1
47.5°	370.4
50°	199.8
52.5°	97.5
55°	55.0
57.5°	29.9
60°	25.8
62.5°	18.1
65°	9.1
67.5°	11.1
70°	7.7
72.5°	0.0
75°	1.4
77.5°	0.7
80°	1.4
82.5°	2.1
85°	0.0
87.5°	7.7
90°	0.0

(END OF REPORT)