

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: P250861

Luminaire Tested: **LSR8B70D010 EC8B709727 8LBM0LI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-11)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B709727 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: 5438.1 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 0.63 / 0.63 / 0.72
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

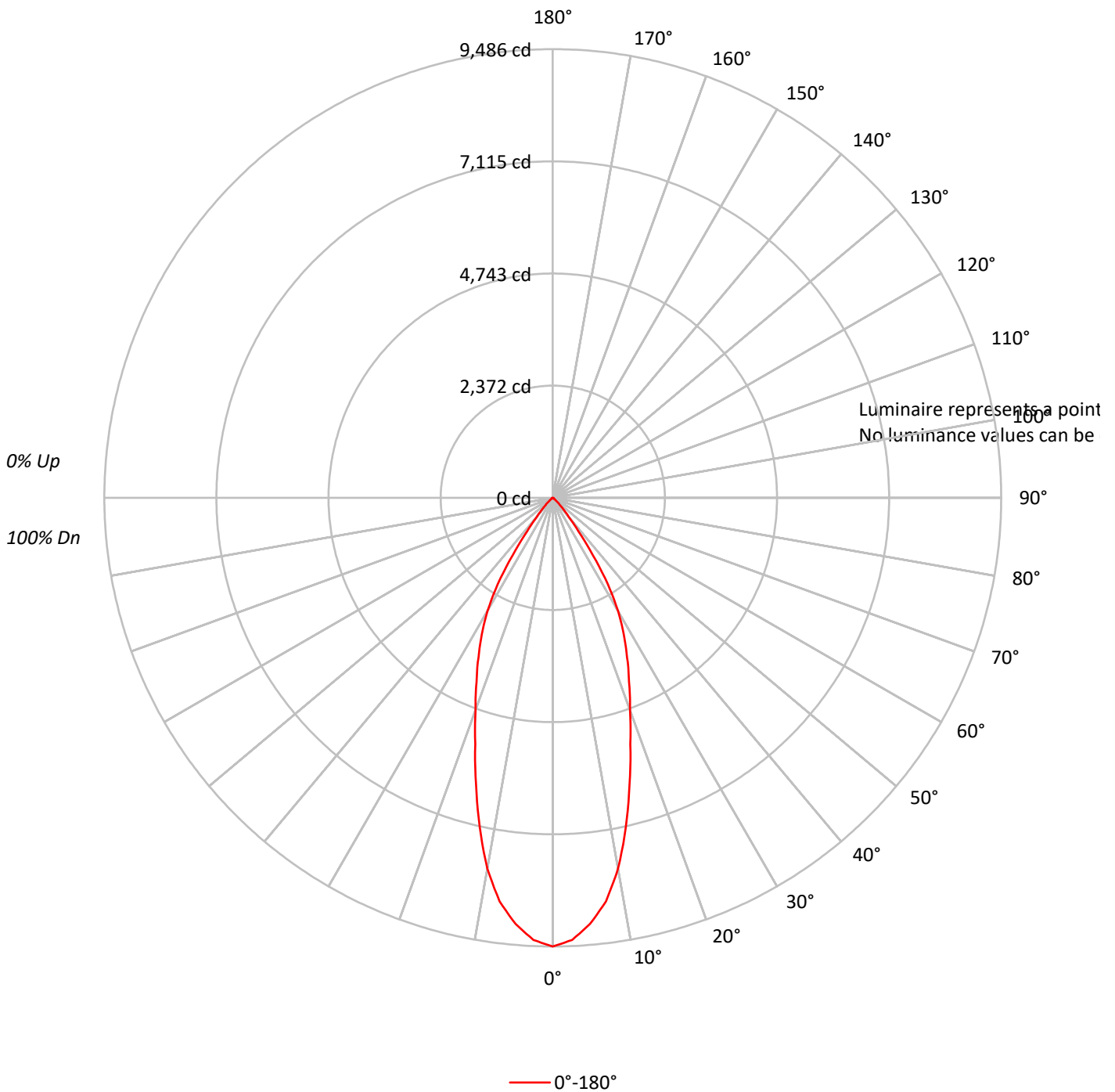
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	114	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94	94	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89	89	89
3	104	98	93	90	102	97	92	89	94	90	88	92	89	86	89	87	85	83	83	83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	78	78	78
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74	74	74
6	90	82	77	73	89	81	76	73	80	75	72	79	75	72	77	74	71	70	70	70
7	86	78	72	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66	66	66
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	62	62	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	60	59	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	58	56	56	56

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	830.1	15.3
10°-20°	1741.6	32.0
20°-30°	1704.2	31.3
30°-40°	942.9	17.3
40°-50°	182.5	3.4
50°-60°	28.0	0.5
60°-70°	6.9	0.1
70°-80°	1.8	0.0
80°-90°	0.0	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°	4276.0	78.6
0°-40°	5218.8	96.0
0°-60°	5429.4	99.8
0°-90°	5438.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5438.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9486	
5°	9044	830
15°	6272	1742
25°	3721	1704
35°	1484	943
45°	208	183
55°	25	28
65°	7	7
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9486.5
2.5°	9356.0
5°	9044.2
7.5°	8607.0
10°	7959.7
12.5°	7141.1
15°	6271.8
17.5°	5456.7
20°	4778.8
22.5°	4217.9
25°	3721.4
27.5°	3253.7
30°	2755.5
32.5°	2170.8
35°	1484.5
37.5°	893.1
40°	523.6
42.5°	327.1
45°	208.4
47.5°	130.5
50°	76.3
52.5°	42.4
55°	25.4
57.5°	15.3
60°	11.9
62.5°	8.5
65°	6.8
67.5°	5.1
70°	3.4
72.5°	1.7
75°	1.7
77.5°	1.7
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)