

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: P244012

Luminaire Tested: **LSR8B40D010 EC8B409730 8LBMOLI**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244012
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: LSR8B40D010 EC8B409730 8LBM0LI
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
97 CRI 3000 CCT WITH SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3362.9 lumens
Efficiency: N/A
Efficacy: 82.2 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

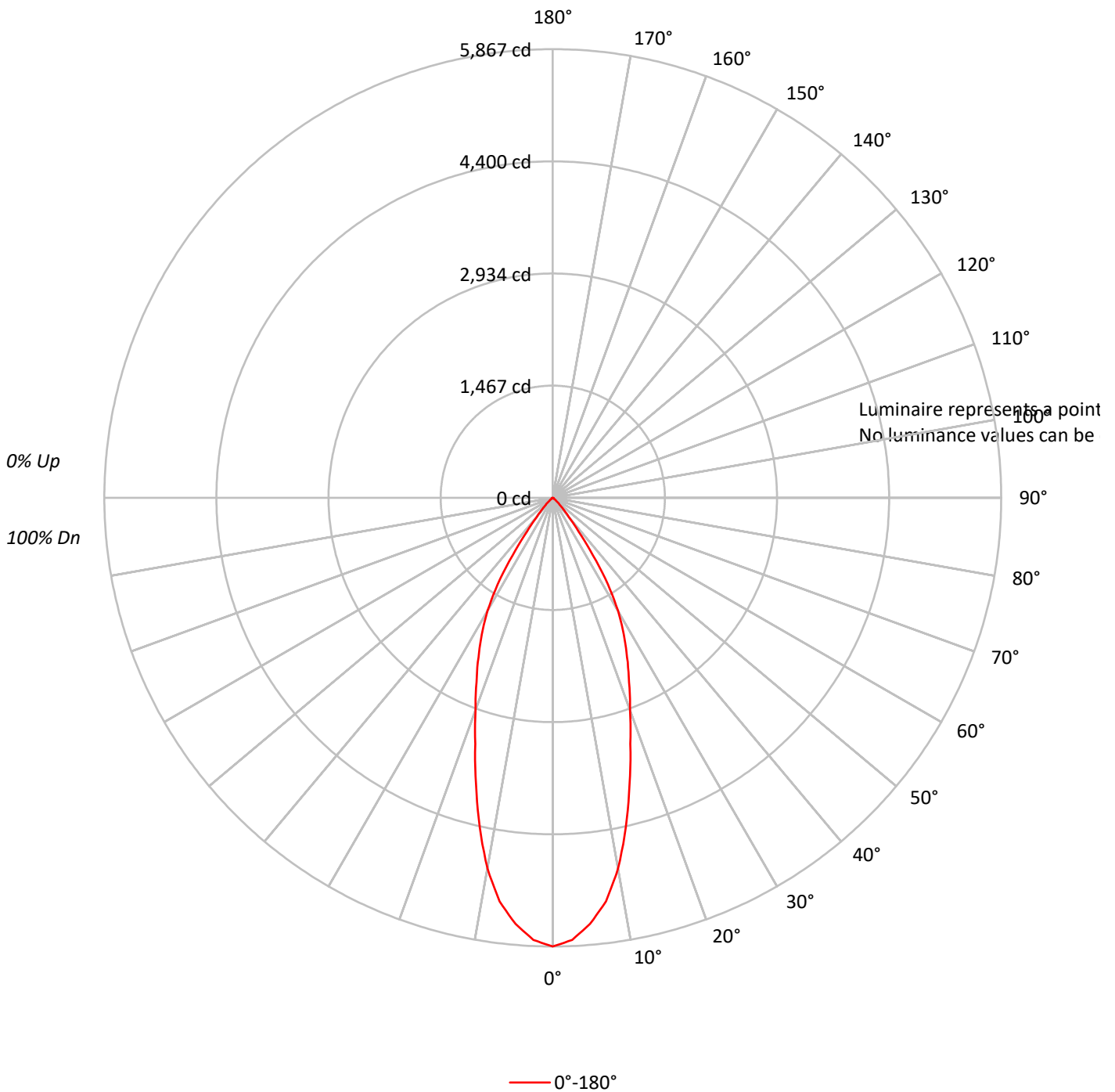
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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°	513.4	15.3
10°-20°	1077.1	32.0
20°-30°	1054.0	31.3
30°-40°	583.1	17.3
40°-50°	112.9	3.4
50°-60°	17.3	0.5
60°-70°	4.2	0.1
70°-80°	1.1	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°	2644.4	78.6
0°-40°	3227.5	96.0
0°-60°	3357.6	99.8
0°-90°	3362.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3362.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5867	
5°	5593	513
15°	3879	1077
25°	2301	1054
35°	918	583
45°	129	113
55°	16	17
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5866.7
2.5°	5786.0
5°	5593.2
7.5°	5322.8
10°	4922.5
12.5°	4416.3
15°	3878.6
17.5°	3374.6
20°	2955.4
22.5°	2608.5
25°	2301.4
27.5°	2012.2
30°	1704.0
32.5°	1342.5
35°	918.0
37.5°	552.3
40°	323.8
42.5°	202.3
45°	128.9
47.5°	80.7
50°	47.2
52.5°	26.2
55°	15.7
57.5°	9.4
60°	7.3
62.5°	5.2
65°	4.2
67.5°	3.1
70°	2.1
72.5°	1.0
75°	1.0
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)