

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: P244474

Luminaire Tested: **LSR8B40D010 EC8B40850 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B40D010 EC8B40850 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4886.0 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

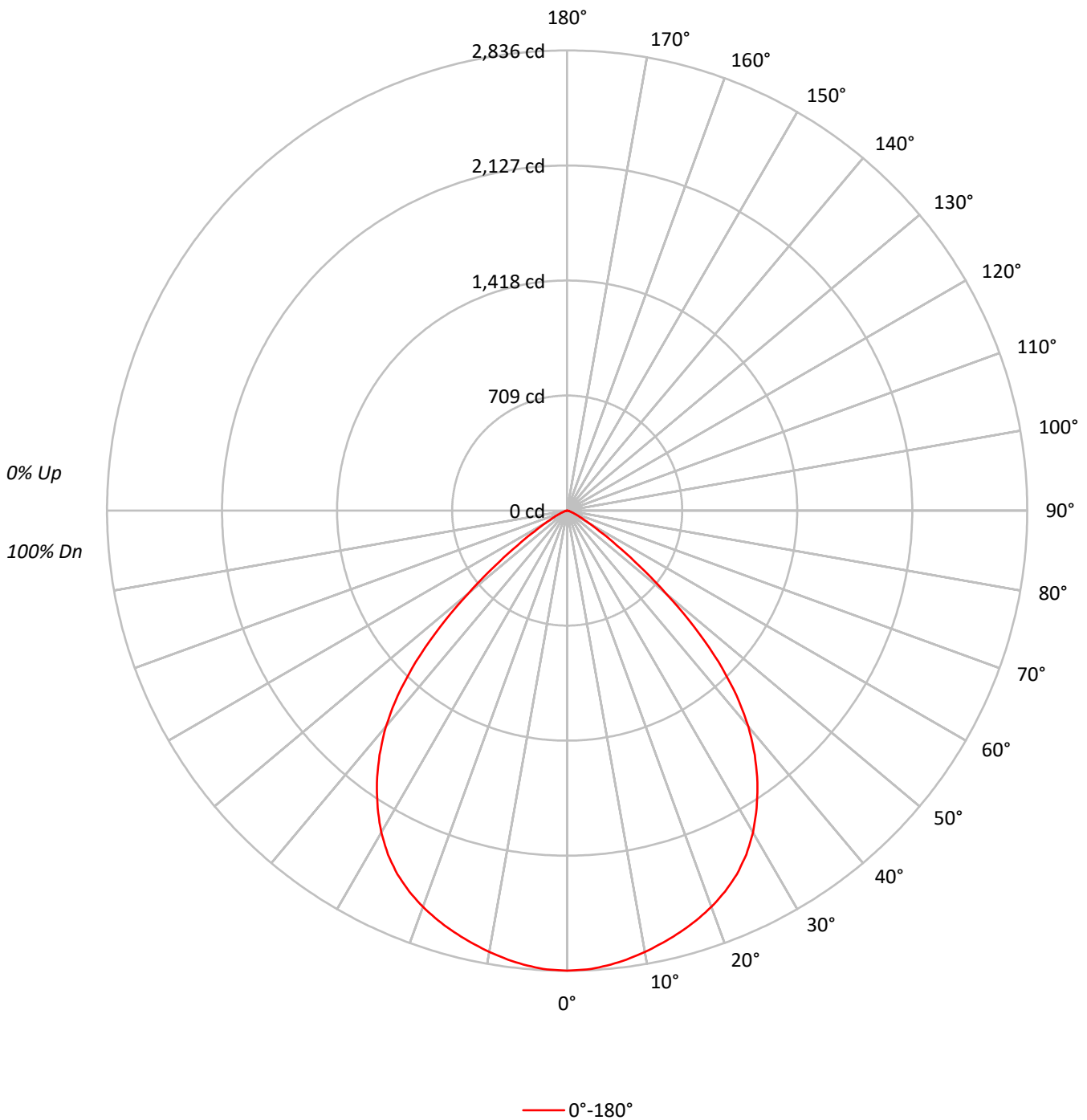
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62	70	65	61	69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56	65	59	55	63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87436
5°	87145
10°	86484
15°	85876
20°	85294
25°	84169
30°	81571
35°	76964
40°	69945
45°	57555
50°	38359
55°	19983
60°	9417
65°	4940
70°	2470
75°	1716
80°	1279
85°	1026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.1	5.5
10°-20°	759.2	15.5
20°-30°	1135.8	23.2
30°-40°	1270.4	26.0
40°-50°	996.6	20.4
50°-60°	363.6	7.4
60°-70°	74.1	1.5
70°-80°	15.9	0.3
80°-90°	3.3	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°	2162.0	44.2
0°-40°	3432.4	70.2
0°-60°	4792.6	98.1
0°-90°	4886.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4886.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2836	
5°	2815	267
15°	2690	759
25°	2474	1136
35°	2044	1270
45°	1320	997
55°	372	364
65°	68	74
75°	14	16
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2835.5
2.5°	2831.2
5°	2815.3
7.5°	2792.3
10°	2762.0
12.5°	2727.4
15°	2690.0
17.5°	2648.2
20°	2599.2
22.5°	2541.6
25°	2473.8
27.5°	2390.3
30°	2290.9
32.5°	2174.2
35°	2044.5
37.5°	1899.0
40°	1737.6
42.5°	1546.0
45°	1319.8
47.5°	1064.7
50°	799.6
52.5°	560.5
55°	371.7
57.5°	237.7
60°	152.7
62.5°	100.9
65°	67.7
67.5°	43.2
70°	27.4
72.5°	18.7
75°	14.4
77.5°	10.1
80°	7.2
82.5°	4.3
85°	2.9
87.5°	1.4
90°	0.0

(END OF REPORT)