

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: P246592

Luminaire Tested: **LSR8B40D010 EC8B40950 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B40D010 EC8B40950 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4136.0 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

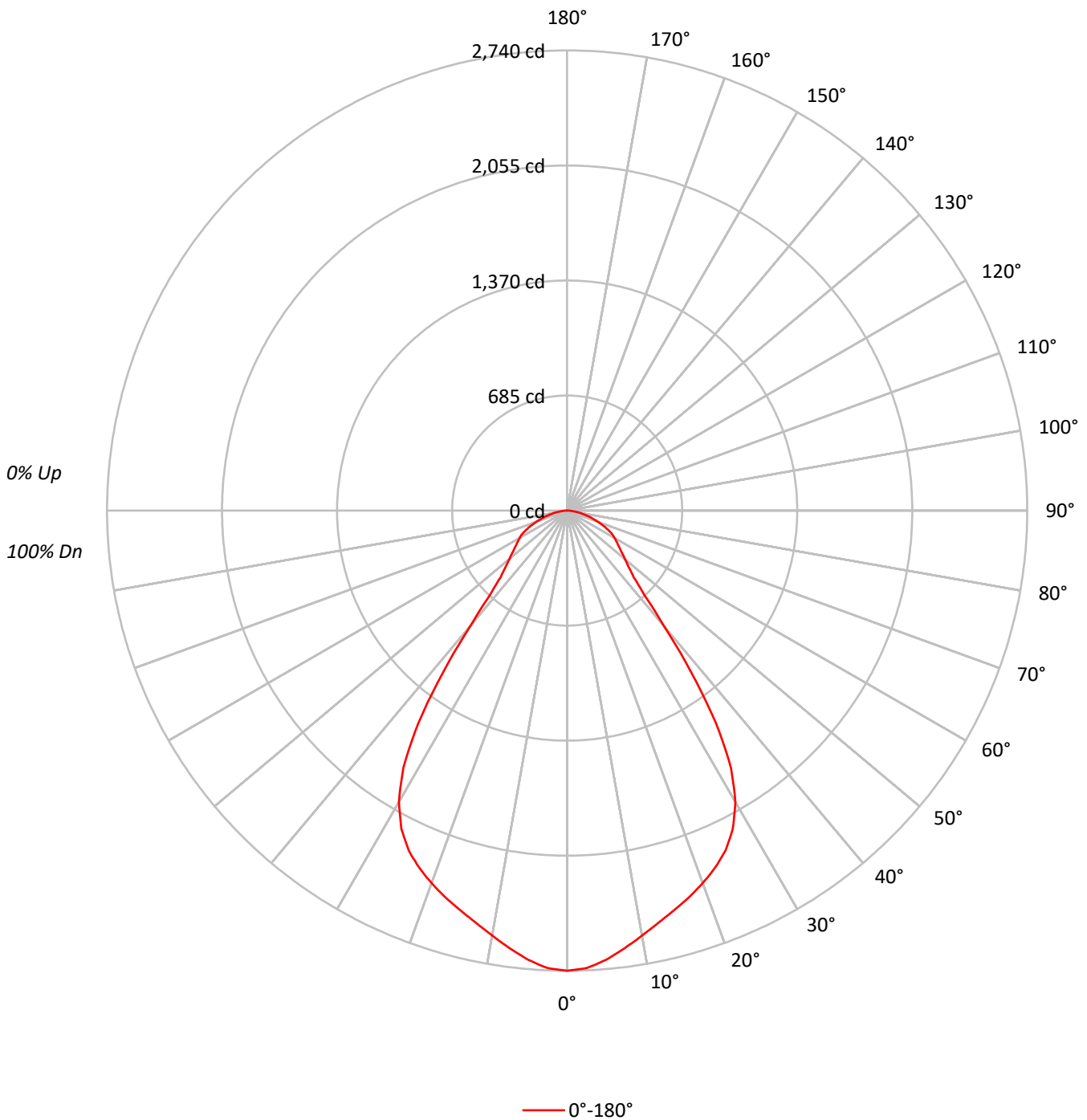
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	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°	84504
5°	83081
10°	80469
15°	78607
20°	77487
25°	75966
30°	71324
35°	58221
40°	36068
45°	24425
50°	21521
55°	20311
60°	20142
65°	19525
70°	17500
75°	15155
80°	12821
85°	10225



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.5	6.1
10°-20°	695.4	16.8
20°-30°	1019.9	24.7
30°-40°	932.2	22.5
40°-50°	461.5	11.2
50°-60°	341.3	8.3
60°-70°	262.3	6.3
70°-80°	136.7	3.3
80°-90°	34.1	0.8
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°	1967.8	47.6
0°-40°	2900.0	70.1
0°-60°	3702.8	89.5
0°-90°	4136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4136.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2740	
5°	2684	252
15°	2462	695
25°	2233	1020
35°	1547	932
45°	560	462
55°	378	341
65°	268	262
75°	127	137
85°	29	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2740.4
2.5°	2726.0
5°	2684.0
7.5°	2627.6
10°	2569.9
12.5°	2513.4
15°	2462.3
17.5°	2413.7
20°	2361.3
22.5°	2302.2
25°	2232.7
27.5°	2137.0
30°	2003.1
32.5°	1815.6
35°	1546.6
37.5°	1213.4
40°	896.0
42.5°	678.2
45°	560.1
47.5°	495.9
50°	448.6
52.5°	410.6
55°	377.8
57.5°	350.3
60°	326.6
62.5°	301.7
65°	267.6
67.5°	230.9
70°	194.1
72.5°	160.0
75°	127.2
77.5°	98.4
80°	72.2
82.5°	49.8
85°	28.9
87.5°	10.5
90°	0.0

(END OF REPORT)