

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: P244924

Luminaire Tested: **LSR8B40D010 EC8B40935 8LBS0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-14)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B40D010 EC8B40935 8LBS0WMH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 3500 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4033.0 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

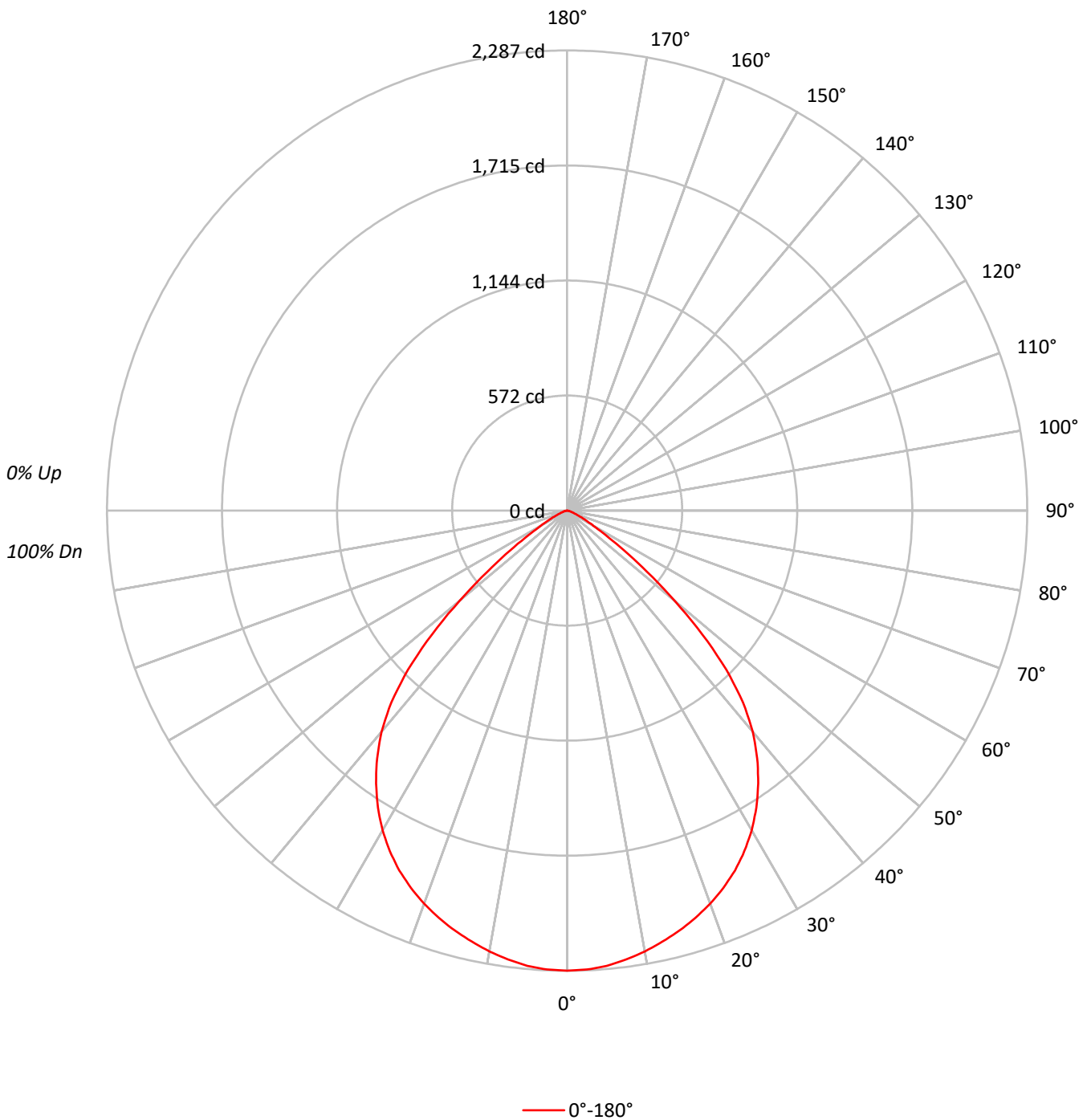
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	101	102	100	98	99	97	95	95	94	92	91
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58
6	79	68	61	55	77	67	60	55	66	59	55	64	58	54	63	58	54	52
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	49	45	55	49	45	54	48	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70513
5°	70294
10°	69663
15°	68972
20°	68230
25°	67153
30°	65310
35°	62335
40°	57768
45°	48777
50°	33461
55°	18456
60°	9276
65°	5224
70°	2840
75°	2025
80°	1296
85°	849



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	5.3
10°-20°	609.3	15.1
20°-30°	907.2	22.5
30°-40°	1030.5	25.6
40°-50°	842.3	20.9
50°-60°	330.1	8.2
60°-70°	76.9	1.9
70°-80°	18.5	0.5
80°-90°	3.0	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°	1731.7	42.9
0°-40°	2762.2	68.5
0°-60°	3934.6	97.6
0°-90°	4033.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4033.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2287	
5°	2271	215
15°	2160	609
25°	1974	907
35°	1656	1030
45°	1118	842
55°	343	330
65°	72	77
75°	17	19
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2286.7
2.5°	2283.0
5°	2270.9
7.5°	2250.3
10°	2224.8
12.5°	2193.2
15°	2160.5
17.5°	2121.7
20°	2079.2
22.5°	2029.5
25°	1973.7
27.5°	1908.2
30°	1834.2
32.5°	1750.5
35°	1655.9
37.5°	1551.5
40°	1435.1
42.5°	1294.4
45°	1118.5
47.5°	912.2
50°	697.5
52.5°	501.0
55°	343.3
57.5°	224.4
60°	150.4
62.5°	103.1
65°	71.6
67.5°	47.3
70°	31.5
72.5°	21.8
75°	17.0
77.5°	12.1
80°	7.3
82.5°	3.6
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)