

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: P244714

Luminaire Tested: **LSR8B40D010 EC8B40940 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B40D010 EC8B40940 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3812.1 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

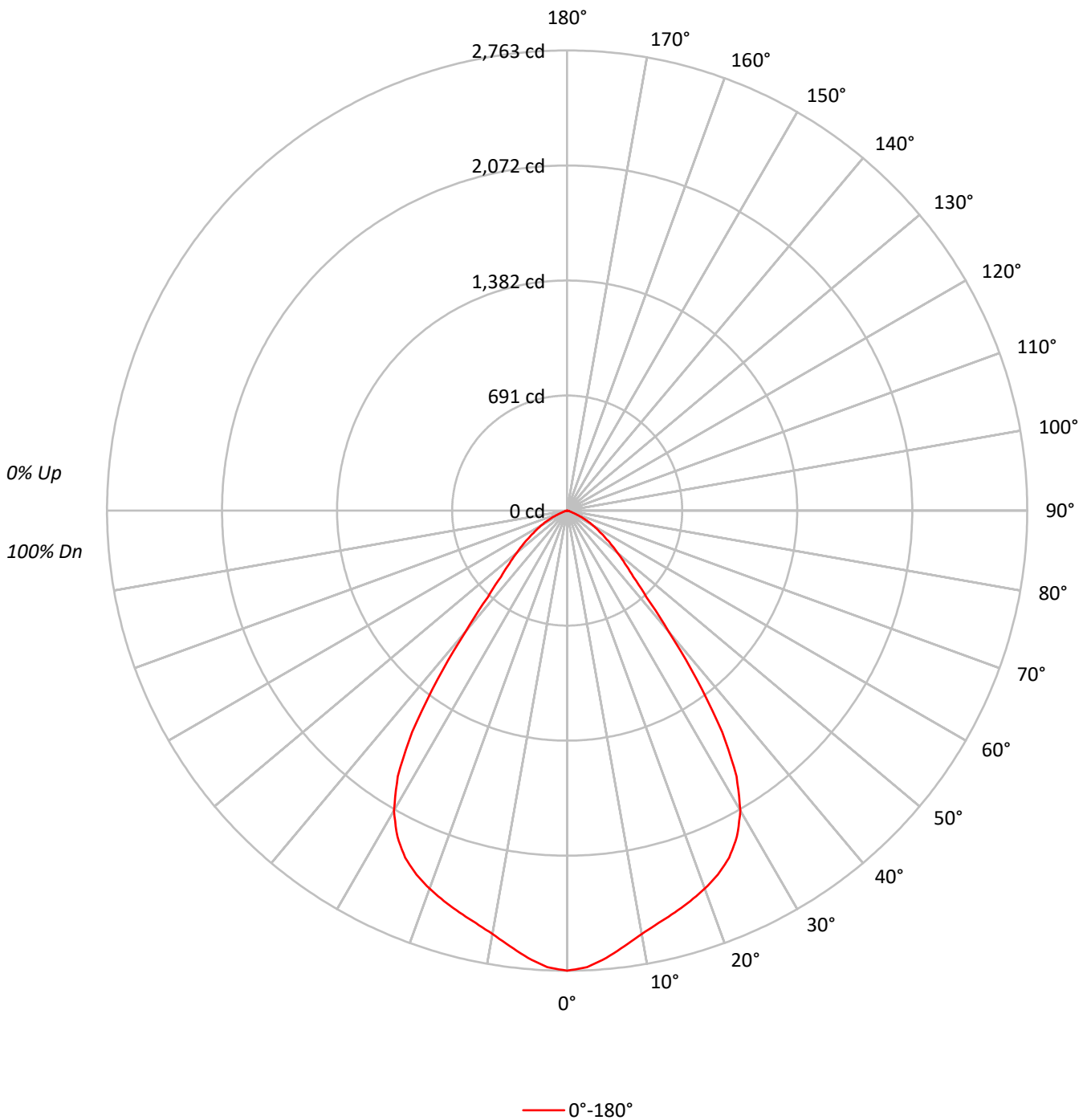
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85188
5°	83474
10°	80829
15°	79740
20°	79265
25°	78266
30°	74058
35°	61081
40°	38141
45°	24526
50°	19021
55°	14639
60°	11095
65°	7209
70°	3083
75°	1513
80°	675
85°	460



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.6	6.7
10°-20°	705.7	18.5
20°-30°	1051.1	27.6
30°-40°	976.2	25.6
40°-50°	461.1	12.1
50°-60°	247.7	6.5
60°-70°	99.5	2.6
70°-80°	15.7	0.4
80°-90°	1.5	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°	2010.4	52.7
0°-40°	2986.6	78.3
0°-60°	3695.4	96.9
0°-90°	3812.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3812.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2763	
5°	2697	254
15°	2498	706
25°	2300	1051
35°	1623	976
45°	562	461
55°	272	248
65°	99	99
75°	13	16
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2762.6
2.5°	2743.6
5°	2696.7
7.5°	2637.2
10°	2581.4
12.5°	2535.8
15°	2497.8
17.5°	2458.6
20°	2415.5
22.5°	2366.1
25°	2300.3
27.5°	2207.8
30°	2079.9
32.5°	1892.4
35°	1622.6
37.5°	1278.1
40°	947.5
42.5°	705.5
45°	562.4
47.5°	469.9
50°	396.5
52.5°	330.6
55°	272.3
57.5°	221.7
60°	179.9
62.5°	140.6
65°	98.8
67.5°	58.3
70°	34.2
72.5°	20.3
75°	12.7
77.5°	7.6
80°	3.8
82.5°	2.5
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)