

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: P246742

Luminaire Tested: **LD8B40D010 ER8B40927 8LBM0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P201674)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B40D010 ER8B40927 8LBM0MW
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
97 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3453.7 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.93
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

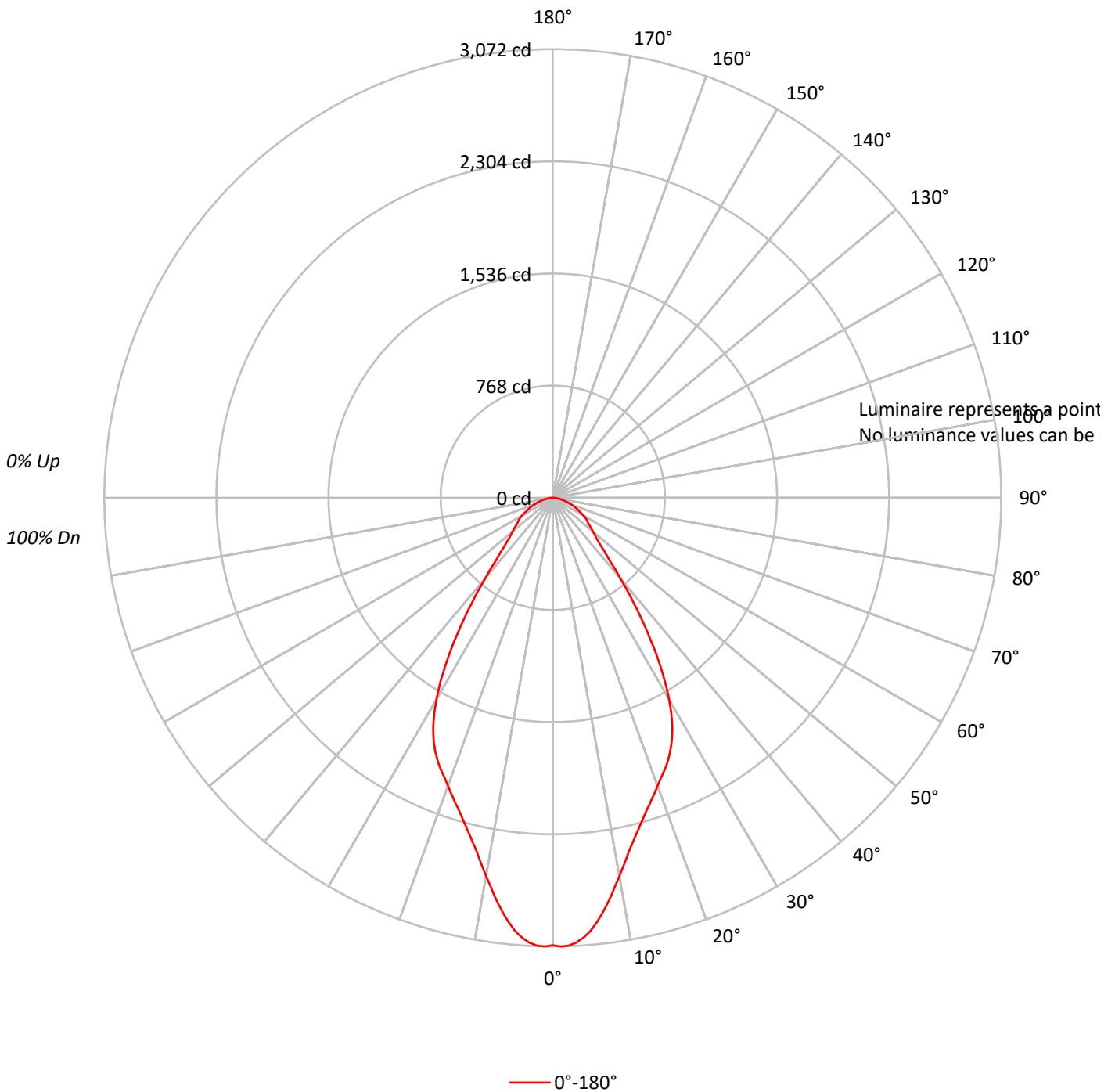
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	91	89
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87	84	82	80
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80	76	73	71
4	91	82	75	69	89	80	74	69	78	72	68		76	71	67		74	70	66	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	62	57	78	68	62	57	67	61	56		65	60	56		64	59	55	54
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	56	49	44	54	48	44		54	48	44		53	48	44	42
10	64	53	46	41	63	52	46	41	51	45	41		50	45	41		50	45	41	39

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	7.9
10°-20°	653.5	18.9
20°-30°	866.0	25.1
30°-40°	710.1	20.6
40°-50°	378.3	11.0
50°-60°	266.2	7.7
60°-70°	183.6	5.3
70°-80°	95.6	2.8
80°-90°	28.2	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°	1791.7	51.9
0°-40°	2501.8	72.4
0°-60°	3146.3	91.1
0°-90°	3453.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3453.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3064	
5°	2975	272
15°	2317	653
25°	1907	866
35°	1142	710
45°	467	378
55°	293	266
65°	184	184
75°	91	96
85°	26	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3063.8
1°	3072.5
2°	3068.8
3°	3050.5
4°	3019.5
5°	2974.7
6°	2918.8
7°	2851.6
8°	2779.6
9°	2703.0
10°	2629.0
11°	2558.1
12°	2486.1
13°	2426.1
14°	2369.1
15°	2317.2
16°	2268.2
17°	2223.1
18°	2181.3
19°	2139.4
20°	2099.4
21°	2060.2
22°	2026.2
23°	1991.5
24°	1950.5
25°	1907.4
26°	1858.6
27°	1803.5
28°	1741.5
29°	1672.6
30°	1593.6
31°	1510.8
32°	1423.8
33°	1331.0
34°	1237.8
35°	1142.2
37.5°	915.2
40°	717.4
42.5°	566.6
45°	466.8
47.5°	400.8
50°	359.8
52.5°	323.9
55°	292.7
57.5°	273.7



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CANDELA DISTRIBUTION (continued):

	0°
60°	241.9
62.5°	210.8
65°	183.9
67.5°	160.0
70°	133.9
72.5°	111.8
75°	91.1
77.5°	65.9
80°	53.8
82.5°	38.9
85°	26.0
87.5°	12.0
90°	0.0

(END OF REPORT)