

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: P244288

Luminaire Tested: **LD8B40D010 ER8B40950 8LBW0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab: INNOVATION CENTER-P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B40D010 ER8B40950 8LBW0H
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4068.0 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.12
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

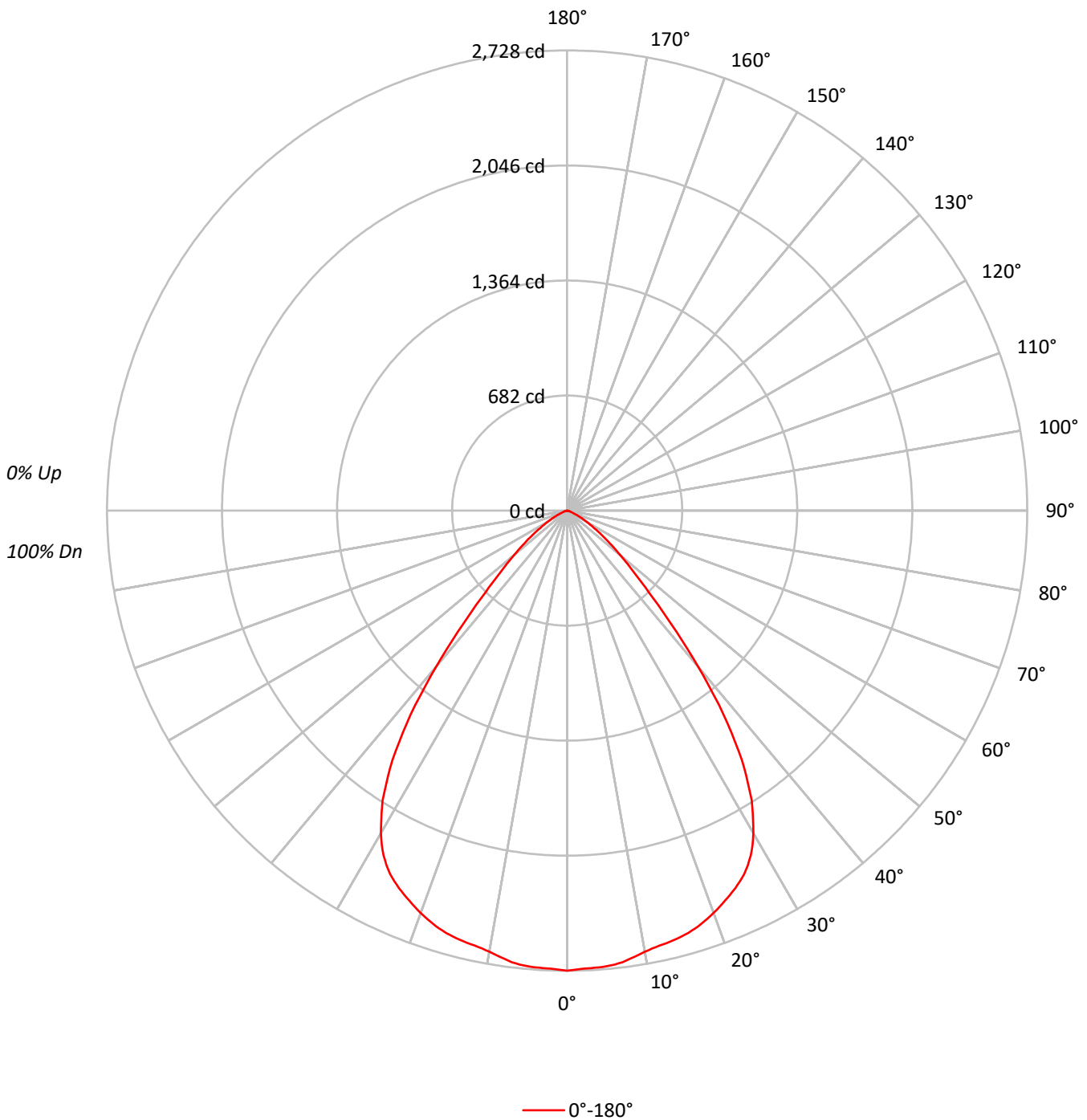
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71		79	74	71		77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65		73	68	64		71	67	63	62
6	82	71	65	60	80	71	64	59	69	63	59		68	62	58		66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54		63	57	53		62	57	53	52
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	64	53	47	42	63	53	47	42	52	46	42		51	46	42		50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84115
5°	83926
10°	83165
15°	83478
20°	83302
25°	82488
30°	78623
35°	68072
40°	48558
45°	29842
50°	19683
55°	13021
60°	8338
65°	4546
70°	2227
75°	1120
80°	622
85°	425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.0	6.3
10°-20°	737.5	18.1
20°-30°	1109.9	27.3
30°-40°	1098.9	27.0
40°-50°	558.4	13.7
50°-60°	224.9	5.5
60°-70°	68.1	1.7
70°-80°	11.7	0.3
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°	2104.5	51.7
0°-40°	3203.4	78.7
0°-60°	3986.7	98.0
0°-90°	4068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4068.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2728	
5°	2711	257
15°	2615	738
25°	2424	1110
35°	1808	1099
45°	684	558
55°	242	225
65°	62	68
75°	9	12
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2727.8
1°	2721.9
2°	2717.2
3°	2716.0
4°	2714.8
5°	2711.3
6°	2706.6
7°	2697.2
8°	2683.1
9°	2670.1
10°	2656.0
11°	2644.3
12°	2636.0
13°	2630.2
14°	2623.1
15°	2614.9
16°	2604.3
17°	2591.4
18°	2576.1
19°	2558.4
20°	2538.5
21°	2517.3
22°	2496.1
23°	2473.8
24°	2450.3
25°	2424.4
26°	2396.2
27°	2359.7
28°	2317.4
29°	2266.9
30°	2208.1
32.5°	2036.4
35°	1808.3
37.5°	1523.8
40°	1206.3
42.5°	911.2
45°	684.3
47.5°	523.2
50°	410.3
52.5°	318.6
55°	242.2
57.5°	179.9
60°	135.2
62.5°	96.4
65°	62.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	38.8
70°	24.7
72.5°	15.3
75°	9.4
77.5°	5.9
80°	3.5
82.5°	2.4
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)