

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: P246484

Luminaire Tested: **LD8B40D010 ER8B40840 8LBS0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-17)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B40D010 ER8B40840 8LBS0B
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH SPECULAR BLACK TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3984.0 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.25
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

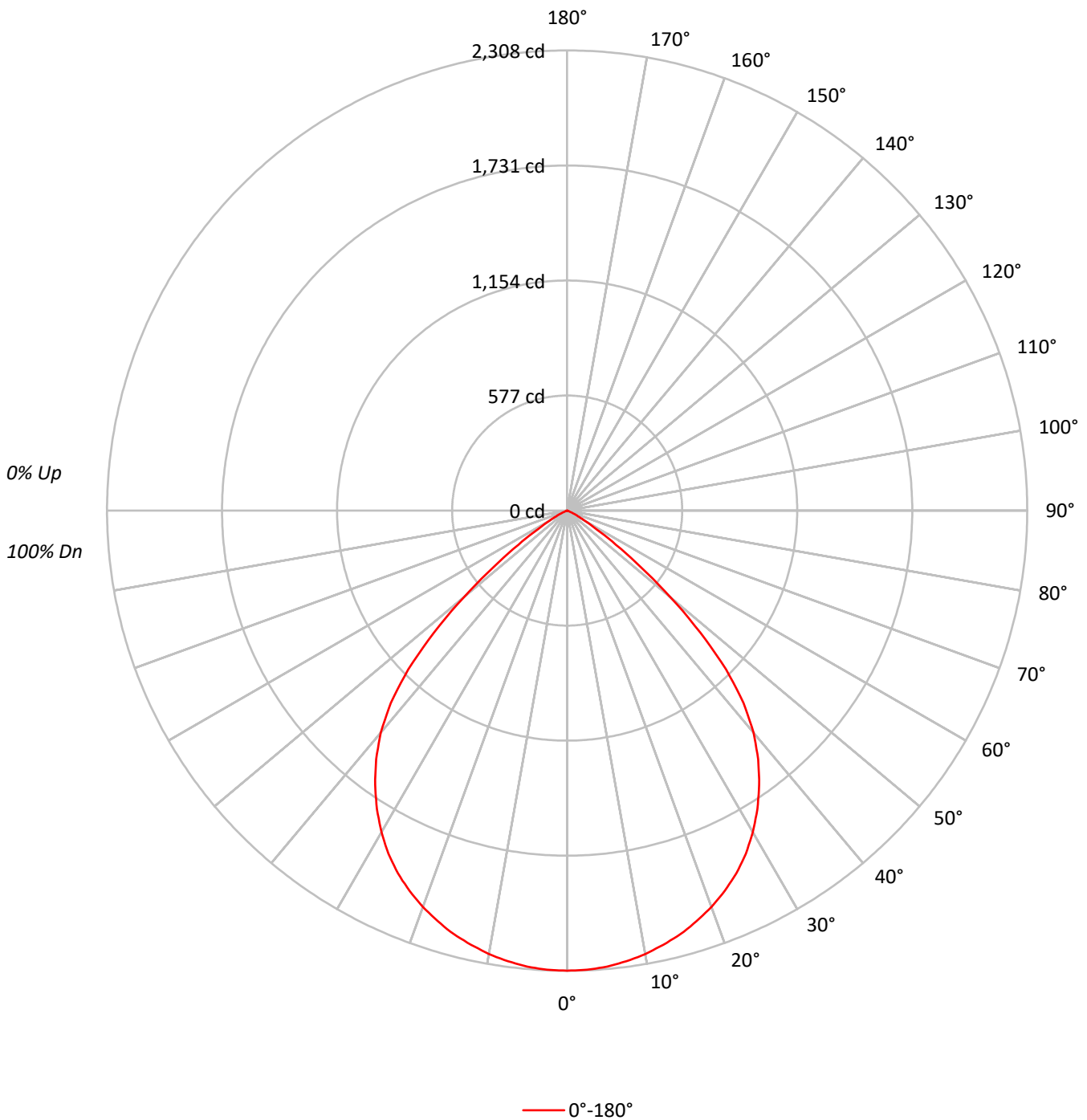
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	67	60	56	65	60	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71167
5°	71089
10°	70718
15°	70204
20°	69427
25°	68331
30°	66325
35°	63205
40°	58541
45°	49121
50°	32478
55°	16032
60°	6365
65°	2474
70°	379
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.0	5.5
10°-20°	619.9	15.6
20°-30°	922.7	23.2
30°-40°	1045.0	26.2
40°-50°	844.9	21.2
50°-60°	293.1	7.4
60°-70°	40.1	1.0
70°-80°	0.5	0.0
80°-90°	0.0	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°	1760.5	44.2
0°-40°	2805.5	70.4
0°-60°	3943.4	99.0
0°-90°	3984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3984.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2308	
5°	2297	218
15°	2199	620
25°	2008	923
35°	1679	1045
45°	1126	845
55°	298	293
65°	34	40
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2307.9
2.5°	2305.1
5°	2296.6
7.5°	2279.7
10°	2258.5
12.5°	2230.2
15°	2199.1
17.5°	2159.5
20°	2115.7
22.5°	2064.8
25°	2008.3
27.5°	1940.5
30°	1862.7
32.5°	1775.1
35°	1679.0
37.5°	1573.0
40°	1454.3
42.5°	1308.7
45°	1126.4
47.5°	905.9
50°	677.0
52.5°	463.6
55°	298.2
57.5°	176.7
60°	103.2
62.5°	60.8
65°	33.9
67.5°	15.5
70°	4.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)