

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: P244450

Luminaire Tested: **LD8B40D010 ER8B40827 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P244450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B40D010 ER8B40827 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 2700 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4525.0 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

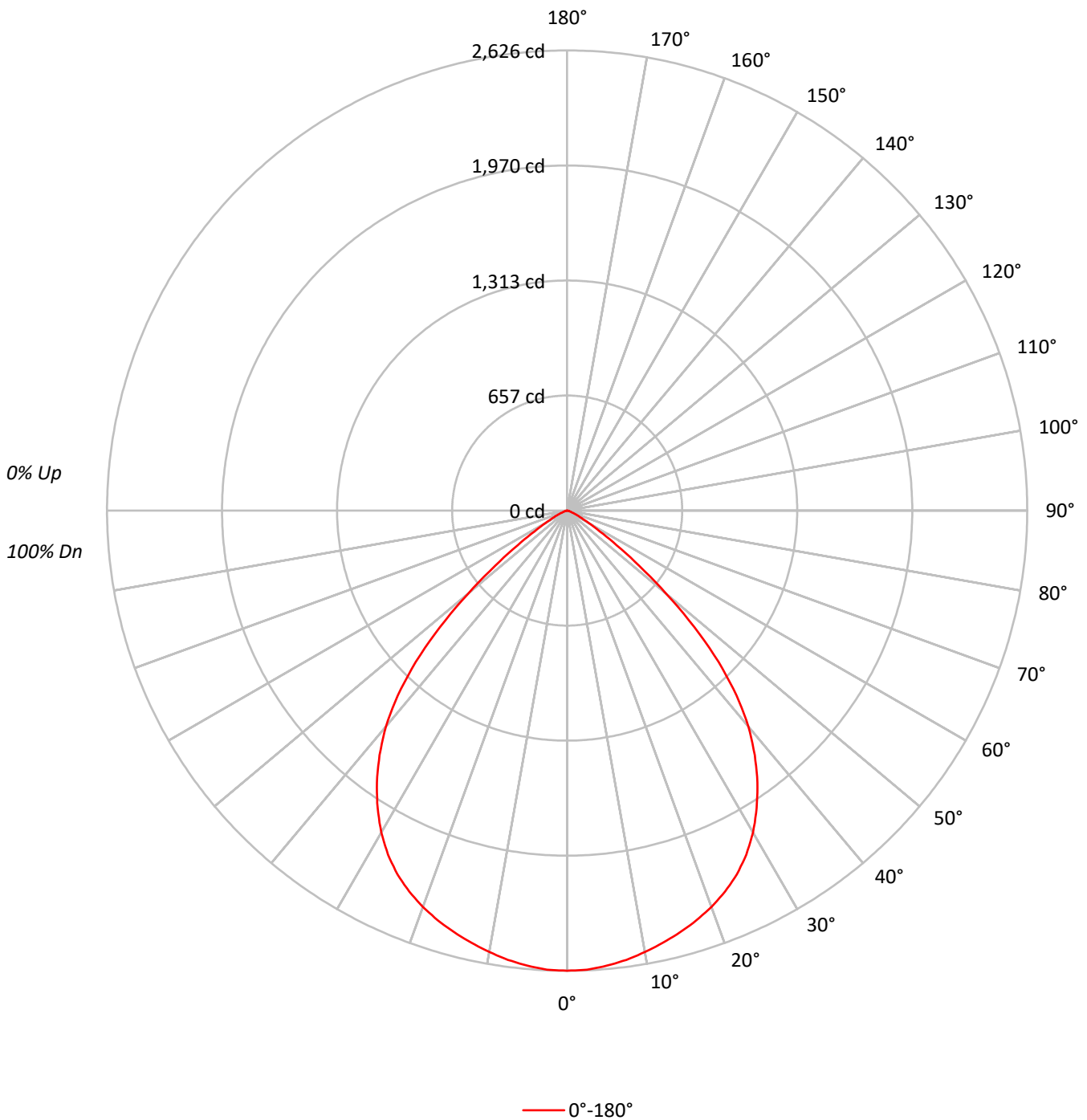
Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80976
5°	80707
10°	80093
15°	79529
20°	78990
25°	77953
30°	75543
35°	71276
40°	64777
45°	53303
50°	35529
55°	18510
60°	8721
65°	4575
70°	2290
75°	1585
80°	1190
85°	955



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	5.5
10°-20°	703.1	15.5
20°-30°	1051.8	23.2
30°-40°	1176.5	26.0
40°-50°	923.0	20.4
50°-60°	336.8	7.4
60°-70°	68.6	1.5
70°-80°	14.7	0.3
80°-90°	3.1	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°	2002.3	44.2
0°-40°	3178.8	70.2
0°-60°	4438.5	98.1
0°-90°	4525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4525.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2626	
5°	2607	247
15°	2491	703
25°	2291	1052
35°	1893	1176
45°	1222	923
55°	344	337
65°	63	69
75°	13	15
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2626.0
2.5°	2622.0
5°	2607.3
7.5°	2585.9
10°	2557.9
12.5°	2525.9
15°	2491.2
17.5°	2452.5
20°	2407.1
22.5°	2353.8
25°	2291.1
27.5°	2213.7
30°	2121.6
32.5°	2013.5
35°	1893.4
37.5°	1758.7
40°	1609.2
42.5°	1431.7
45°	1222.3
47.5°	986.1
50°	740.6
52.5°	519.1
55°	344.3
57.5°	220.2
60°	141.4
62.5°	93.4
65°	62.7
67.5°	40.0
70°	25.4
72.5°	17.3
75°	13.3
77.5°	9.3
80°	6.7
82.5°	4.0
85°	2.7
87.5°	1.3
90°	0.0

(END OF REPORT)