

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: P246485

Luminaire Tested: **LD8B50D010 ER8B50840 8LBS0B**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P246485
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: LD8B50D010 ER8B50840 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: 4984.0 lumens
Efficiency: N/A
Efficacy: 94.0 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

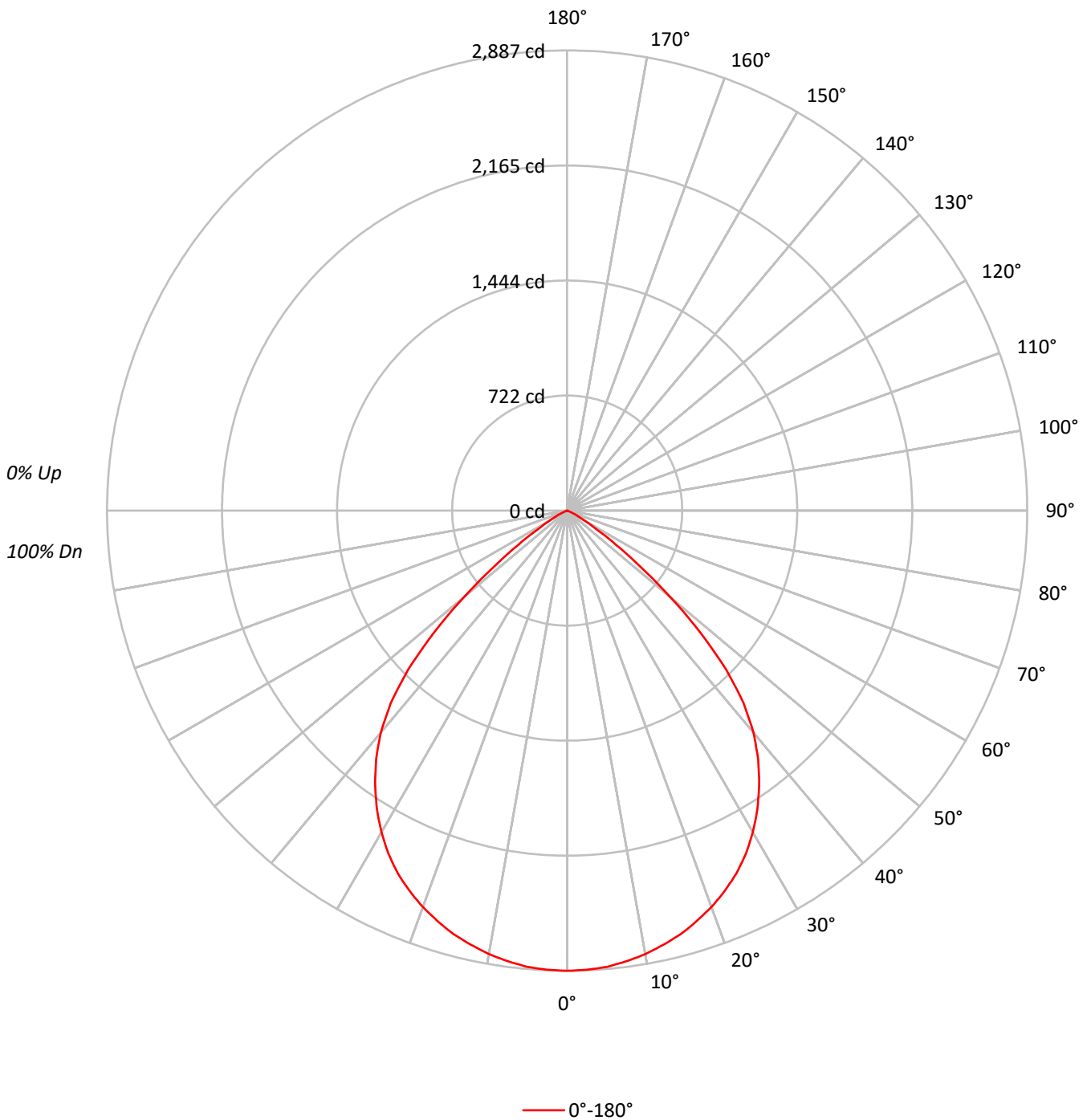
Input Watts (W): 53
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	89031
5°	88934
10°	88466
15°	87826
20°	86856
25°	85482
30°	82974
35°	79068
40°	73234
45°	61450
50°	40628
55°	20058
60°	7962
65°	3094
70°	478
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.7	5.5
10°-20°	775.5	15.6
20°-30°	1154.2	23.2
30°-40°	1307.3	26.2
40°-50°	1056.9	21.2
50°-60°	366.6	7.4
60°-70°	50.1	1.0
70°-80°	0.7	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°	2202.4	44.2
0°-40°	3509.7	70.4
0°-60°	4933.2	99.0
0°-90°	4984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4984.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2887	
5°	2873	273
15°	2751	775
25°	2512	1154
35°	2100	1307
45°	1409	1057
55°	373	367
65°	42	50
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2887.2
2.5°	2883.7
5°	2873.1
7.5°	2851.9
10°	2825.3
12.5°	2790.0
15°	2751.1
17.5°	2701.6
20°	2646.8
22.5°	2583.1
25°	2512.4
27.5°	2427.5
30°	2330.3
32.5°	2220.7
35°	2100.4
37.5°	1967.8
40°	1819.3
42.5°	1637.2
45°	1409.1
47.5°	1133.3
50°	846.9
52.5°	579.9
55°	373.1
57.5°	221.0
60°	129.1
62.5°	76.0
65°	42.4
67.5°	19.4
70°	5.3
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)