

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: P247732

Luminaire Tested: **LD8B100D010 ER8B100840 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247732
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B100D010 ER8B100840 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 4000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11961.0 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

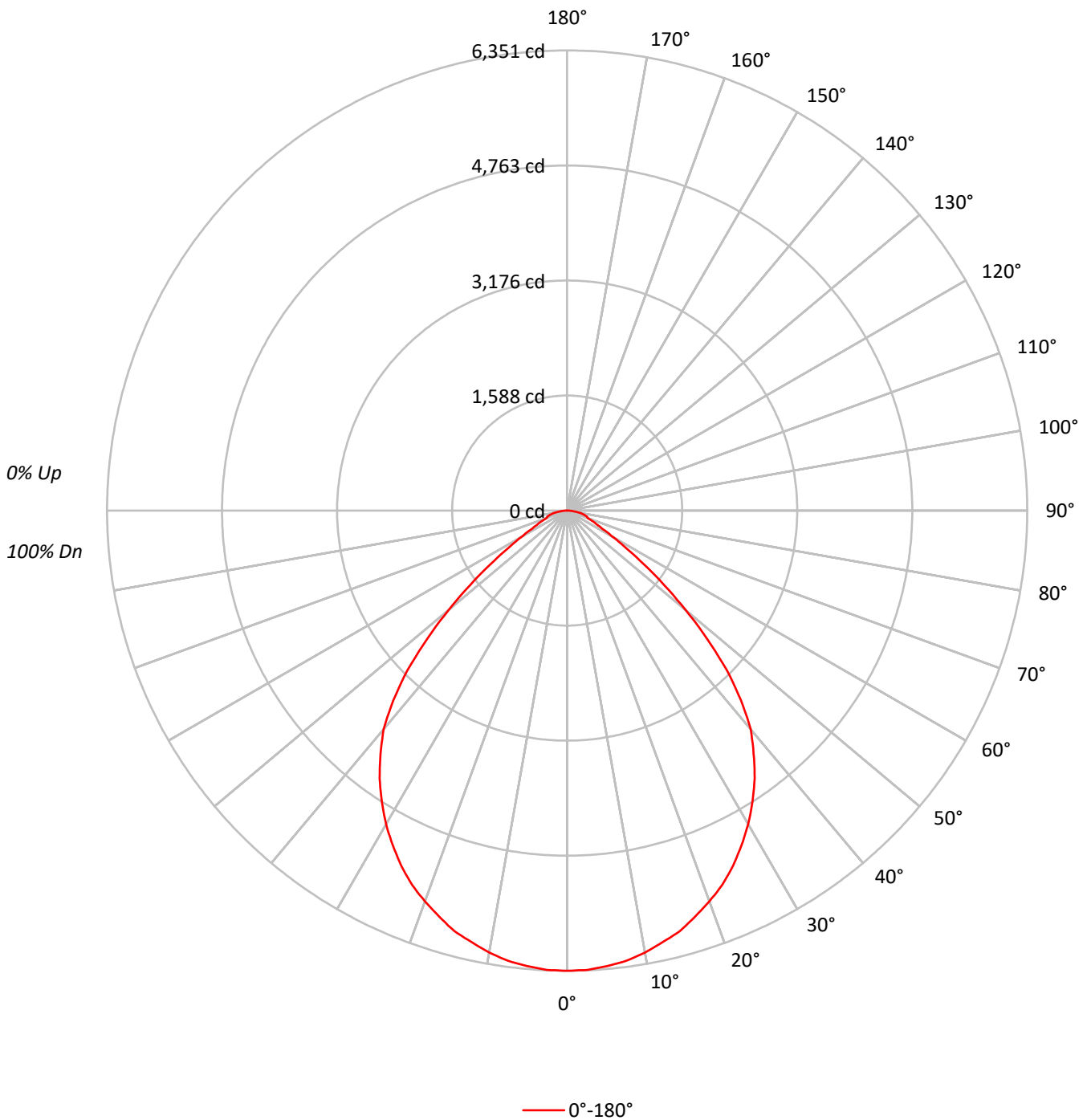
Input Watts (W): 106.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78				78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69				69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61				61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55				55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49				49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44				44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40				40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37				37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33				33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	195854
5°	195364
10°	193903
15°	191883
20°	188344
25°	184169
30°	177980
35°	169892
40°	158649
45°	135899
50°	102182
55°	69266
60°	45064
65°	33060
70°	27003
75°	30608
80°	32089
85°	26040



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.9	5.0
10°-20°	1690.8	14.1
20°-30°	2487.5	20.8
30°-40°	2809.7	23.5
40°-50°	2366.2	19.8
50°-60°	1193.8	10.0
60°-70°	467.7	3.9
70°-80°	264.1	2.2
80°-90°	82.1	0.7
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°	4777.3	39.9
0°-40°	7587.0	63.4
0°-60°	11147.1	93.2
0°-90°	11961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11961.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6351	
5°	6311	599
15°	6011	1691
25°	5413	2488
35°	4513	2810
45°	3116	2366
55°	1288	1194
65°	453	468
75°	257	264
85°	74	82
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6351.4
2.5°	6345.0
5°	6311.4
7.5°	6267.5
10°	6192.6
12.5°	6099.7
15°	6010.6
17.5°	5875.1
20°	5739.5
22.5°	5592.3
25°	5412.9
27.5°	5210.2
30°	4998.5
32.5°	4761.0
35°	4513.1
37.5°	4229.1
40°	3941.2
42.5°	3548.8
45°	3116.3
47.5°	2620.6
50°	2130.0
52.5°	1687.3
55°	1288.4
57.5°	970.8
60°	730.7
62.5°	557.7
65°	453.1
67.5°	369.2
70°	299.5
72.5°	289.2
75°	256.9
77.5°	214.3
80°	180.7
82.5°	114.9
85°	73.6
87.5°	23.2
90°	0.0

(END OF REPORT)