

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: P249634

Luminaire Tested: **LD8B150D010 ER8B150850 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249634
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-95)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B150D010 ER8B150850 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16364.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

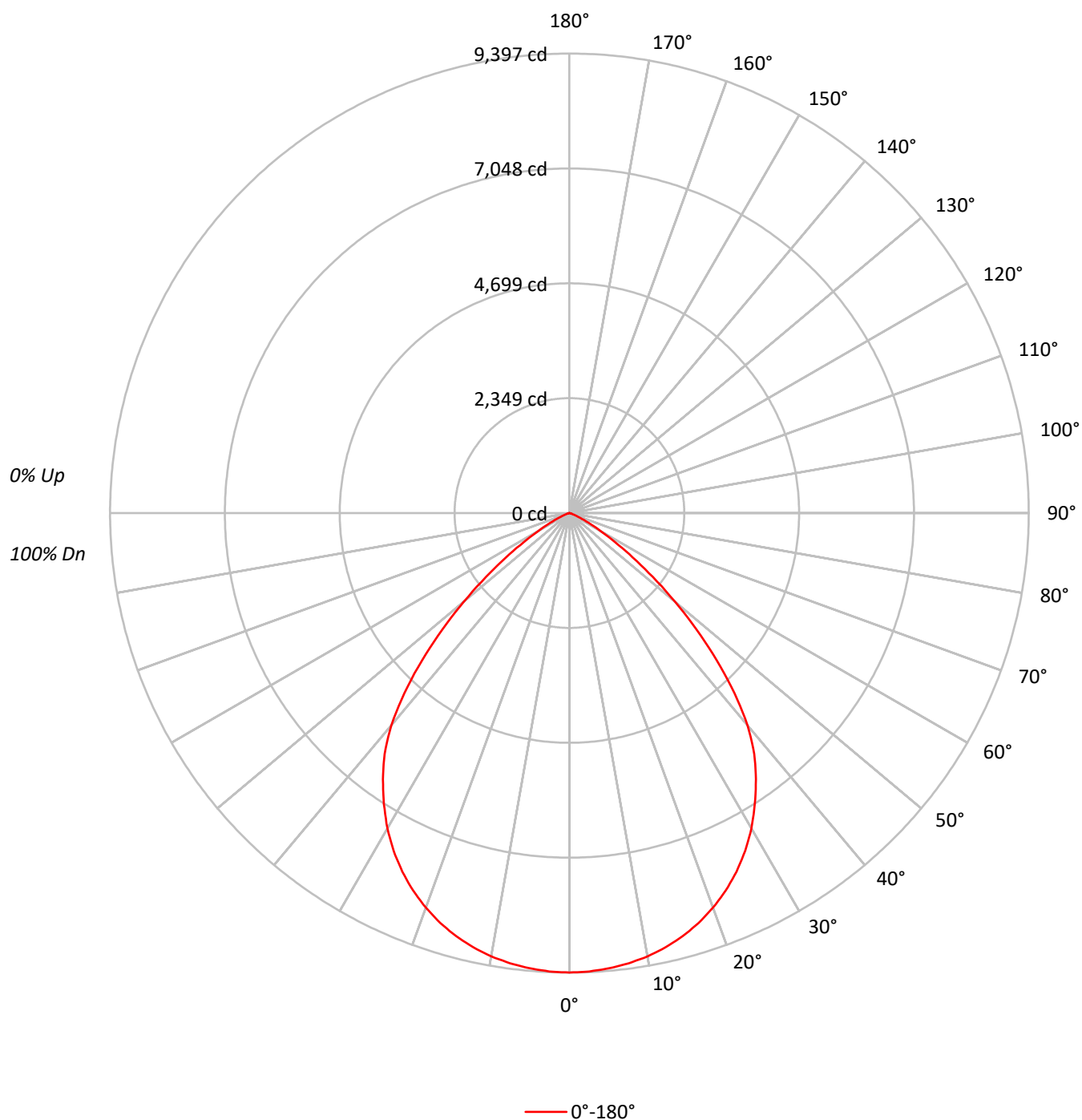
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103	110	107	104	101		102	100	98		99	97	95		95	94	93
2	105	99	94	90	102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79	96	88	83	78		85	81	77		83	79	75		81	77	74
4	91	82	75	69	89	80	74	69		78	73	68		76	71	67		74	70	66
5	85	75	67	62	83	73	67	62		72	66	61		70	64	60		68	63	60
6	79	68	61	56	78	67	60	55		66	59	55		64	59	54		63	58	54
7	74	63	55	50	73	62	55	50		61	54	50		59	54	49		58	53	49
8	69	58	51	45	68	57	50	45		56	50	45		55	49	45		54	49	45
9	65	54	46	42	64	53	46	41		52	46	41		51	45	41		50	45	41
10	61	50	43	38	60	49	43	38		48	42	38		47	42	38		47	41	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	289763
5°	289272
10°	288240
15°	285951
20°	281802
25°	275296
30°	265199
35°	250402
40°	228252
45°	186233
50°	134746
55°	85061
60°	45662
65°	20693
70°	7032
75°	3503
80°	2344
85°	1061



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	887.7	5.4
10°-20°	2523.7	15.4
20°-30°	3716.5	22.7
30°-40°	4138.0	25.3
40°-50°	3268.1	20.0
50°-60°	1465.2	9.0
60°-70°	323.4	2.0
70°-80°	36.5	0.2
80°-90°	4.8	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°	7127.9	43.6
0°-40°	11265.9	68.8
0°-60°	15999.3	97.8
0°-90°	16364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16364.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9397	
5°	9345	888
15°	8957	2524
25°	8091	3717
35°	6652	4138
45°	4270	3268
55°	1582	1465
65°	284	323
75°	29	36
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9396.8
2.5°	9382.6
5°	9345.2
7.5°	9287.4
10°	9205.4
12.5°	9095.0
15°	8957.2
17.5°	8789.1
20°	8587.5
22.5°	8355.5
25°	8091.2
27.5°	7786.3
30°	7448.0
32.5°	7060.0
35°	6651.8
37.5°	6213.2
40°	5670.3
42.5°	4998.7
45°	4270.5
47.5°	3529.0
50°	2808.8
52.5°	2150.4
55°	1582.2
57.5°	1105.1
60°	740.4
62.5°	469.0
65°	283.6
67.5°	158.0
70°	78.0
72.5°	42.5
75°	29.4
77.5°	21.3
80°	13.2
82.5°	7.1
85°	3.0
87.5°	1.0
90°	0.0

(END OF REPORT)