

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: P249625

Luminaire Tested: **LD8B150D010 ER8B150830 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249625
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 ER8B150830 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15535.0 lumens
Efficiency: N/A
Efficacy: 98.0 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

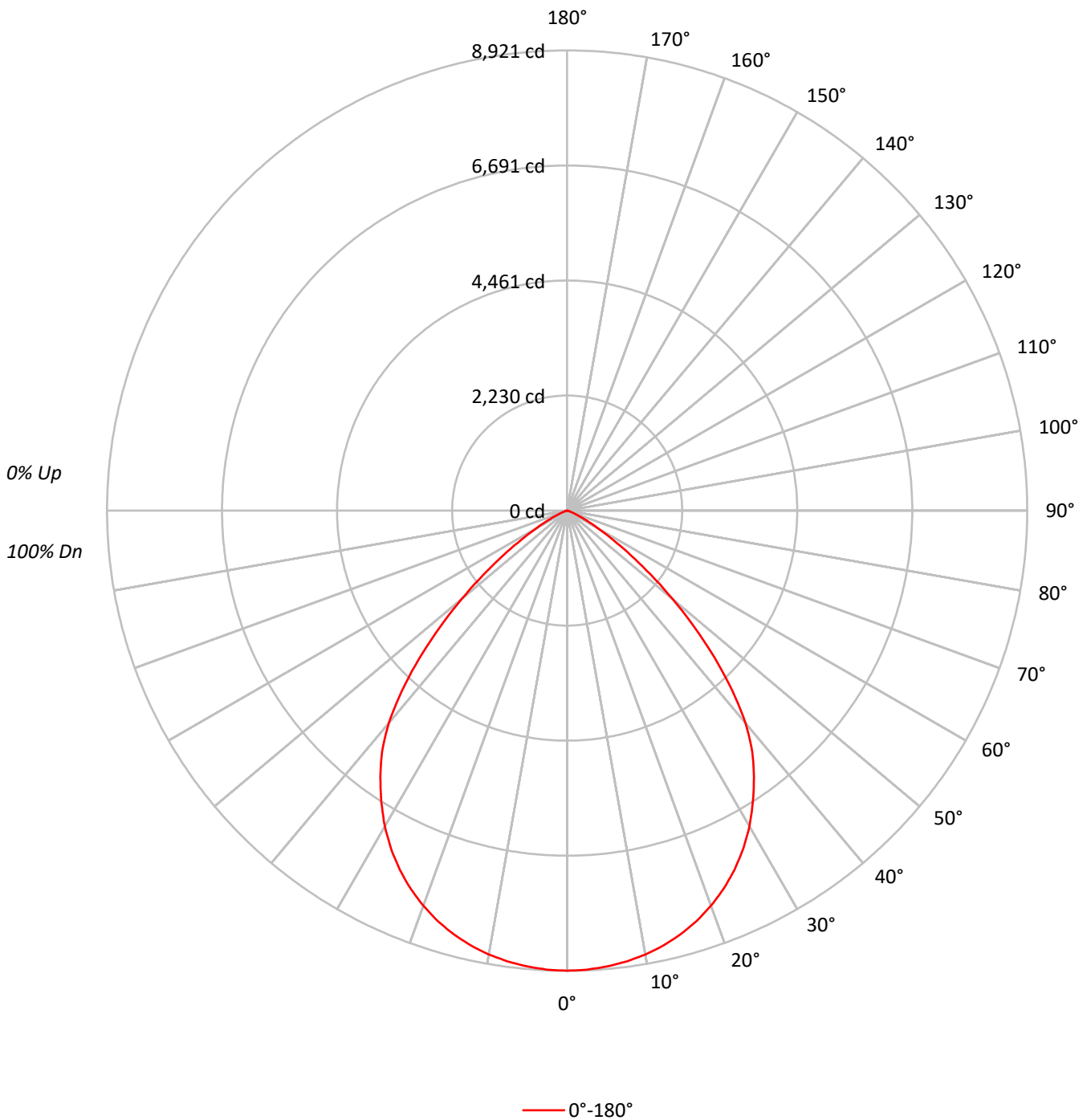
Input Watts (W): 158.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				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	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	102	97	92	89	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	69	89	80	74	69	78	73	68	76	71	67	74	70	66	65
5	85	75	67	62	83	73	67	62	72	66	61	70	64	60	68	63	60	58
6	79	68	61	56	78	67	60	55	66	59	55	64	59	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	69	58	51	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	275085
5°	274616
10°	273636
15°	271463
20°	267527
25°	261349
30°	251764
35°	237716
40°	216687
45°	176796
50°	127919
55°	80750
60°	43350
65°	19642
70°	6672
75°	3324
80°	2220
85°	1026



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	842.7	5.4
10°-20°	2395.9	15.4
20°-30°	3528.2	22.7
30°-40°	3928.4	25.3
40°-50°	3102.6	20.0
50°-60°	1391.0	9.0
60°-70°	307.0	2.0
70°-80°	34.6	0.2
80°-90°	4.6	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°	6766.8	43.6
0°-40°	10695.2	68.8
0°-60°	15188.8	97.8
0°-90°	15535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15535.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8921	
5°	8872	843
15°	8503	2396
25°	7681	3528
35°	6315	3928
45°	4054	3103
55°	1502	1391
65°	269	307
75°	28	35
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8920.8
2.5°	8907.3
5°	8871.7
7.5°	8816.9
10°	8739.0
12.5°	8634.2
15°	8503.4
17.5°	8343.8
20°	8152.5
22.5°	7932.2
25°	7681.3
27.5°	7391.8
30°	7070.7
32.5°	6702.4
35°	6314.8
37.5°	5898.5
40°	5383.0
42.5°	4745.5
45°	4054.1
47.5°	3350.2
50°	2666.5
52.5°	2041.5
55°	1502.0
57.5°	1049.1
60°	702.9
62.5°	445.2
65°	269.2
67.5°	150.0
70°	74.0
72.5°	40.4
75°	27.9
77.5°	20.2
80°	12.5
82.5°	6.7
85°	2.9
87.5°	1.0
90°	0.0

(END OF REPORT)