

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: P249651

Luminaire Tested: **LD8B200D010 ER8B200950 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249651
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: LD8B200D010 ER8B200950 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19826.0 lumens
Efficiency: N/A
Efficacy: 88.8 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

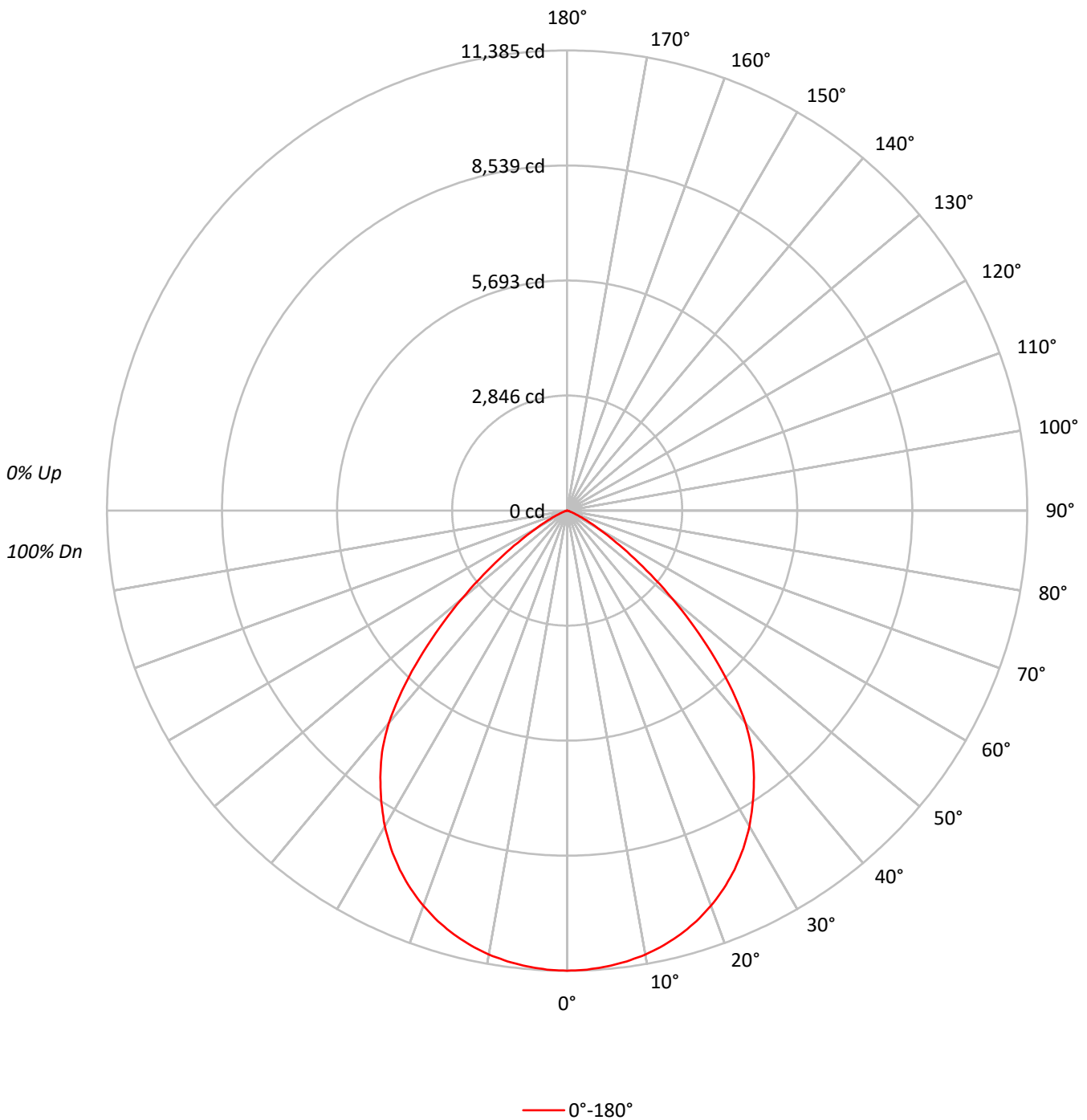
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	351065
5°	350469
10°	349220
15°	346447
20°	341420
25°	333535
30°	321304
35°	303378
40°	276541
45°	225629
50°	163256
55°	103055
60°	55327
65°	25071
70°	8520
75°	4241
80°	2841
85°	1309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1075.5	5.4
10°-20°	3057.7	15.4
20°-30°	4502.8	22.7
30°-40°	5013.4	25.3
40°-50°	3959.6	20.0
50°-60°	1775.2	9.0
60°-70°	391.8	2.0
70°-80°	44.2	0.2
80°-90°	5.8	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°	8635.9	43.6
0°-40°	13649.4	68.8
0°-60°	19384.2	97.8
0°-90°	19826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19826.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11385	
5°	11322	###
15°	10852	3058
25°	9803	4503
35°	8059	5013
45°	5174	3960
55°	1917	1775
65°	344	392
75°	36	44
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11384.8
2.5°	11367.6
5°	11322.2
7.5°	11252.3
10°	11152.9
12.5°	11019.1
15°	10852.2
17.5°	10648.5
20°	10404.3
22.5°	10123.3
25°	9802.9
27.5°	9433.6
30°	9023.7
32.5°	8553.6
35°	8059.1
37.5°	7527.7
40°	6869.9
42.5°	6056.3
45°	5173.9
47.5°	4275.6
50°	3403.1
52.5°	2605.4
55°	1916.9
57.5°	1338.9
60°	897.1
62.5°	568.2
65°	343.6
67.5°	191.4
70°	94.5
72.5°	51.5
75°	35.6
77.5°	25.8
80°	16.0
82.5°	8.6
85°	3.7
87.5°	1.2
90°	0.0

(END OF REPORT)