

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: P249630

Luminaire Tested: **LD8B200D010 ER8B200835 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249630
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 ER8B200835 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
80 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21500.0 lumens
Efficiency: N/A
Efficacy: 96.3 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

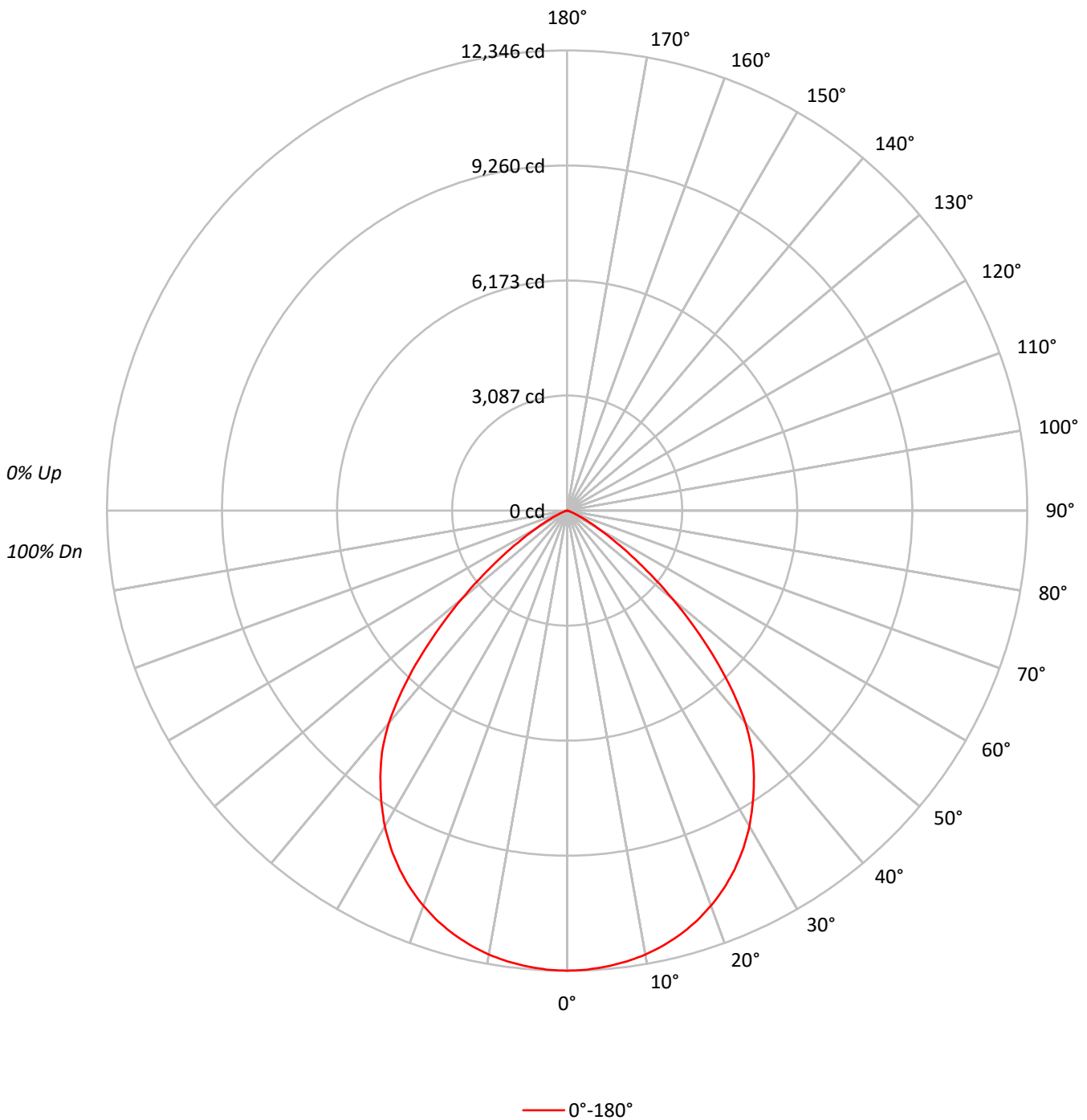
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	380708
5°	380061
10°	378706
15°	375699
20°	370249
25°	361700
30°	348433
35°	328991
40°	299892
45°	244682
50°	177039
55°	111759
60°	59995
65°	27187
70°	9241
75°	4599
80°	3072
85°	1415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1166.3	5.4
10°-20°	3315.8	15.4
20°-30°	4883.0	22.7
30°-40°	5436.8	25.3
40°-50°	4293.9	20.0
50°-60°	1925.1	9.0
60°-70°	424.9	2.0
70°-80°	47.9	0.2
80°-90°	6.3	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°	9365.1	43.6
0°-40°	14801.8	68.8
0°-60°	21020.8	97.8
0°-90°	21500.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	21500.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12346	
5°	12278	###
15°	11768	3316
25°	10631	4883
35°	8740	5437
45°	5611	4294
55°	2079	1925
65°	373	425
75°	39	48
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12346.1
2.5°	12327.5
5°	12278.2
7.5°	12202.4
10°	12094.6
12.5°	11949.5
15°	11768.5
17.5°	11547.6
20°	11282.8
22.5°	10978.0
25°	10630.7
27.5°	10230.1
30°	9785.6
32.5°	9275.9
35°	8739.5
37.5°	8163.3
40°	7450.0
42.5°	6567.6
45°	5610.8
47.5°	4636.6
50°	3690.4
52.5°	2825.3
55°	2078.8
57.5°	1451.9
60°	972.8
62.5°	616.2
65°	372.6
67.5°	207.6
70°	102.5
72.5°	55.9
75°	38.6
77.5°	27.9
80°	17.3
82.5°	9.3
85°	4.0
87.5°	1.3
90°	0.0

(END OF REPORT)