

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: P249645

Luminaire Tested: **LD8B200D010 ER8B200935 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249645
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 ER8B200935 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 3500 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18335.0 lumens
Efficiency: N/A
Efficacy: 82.1 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

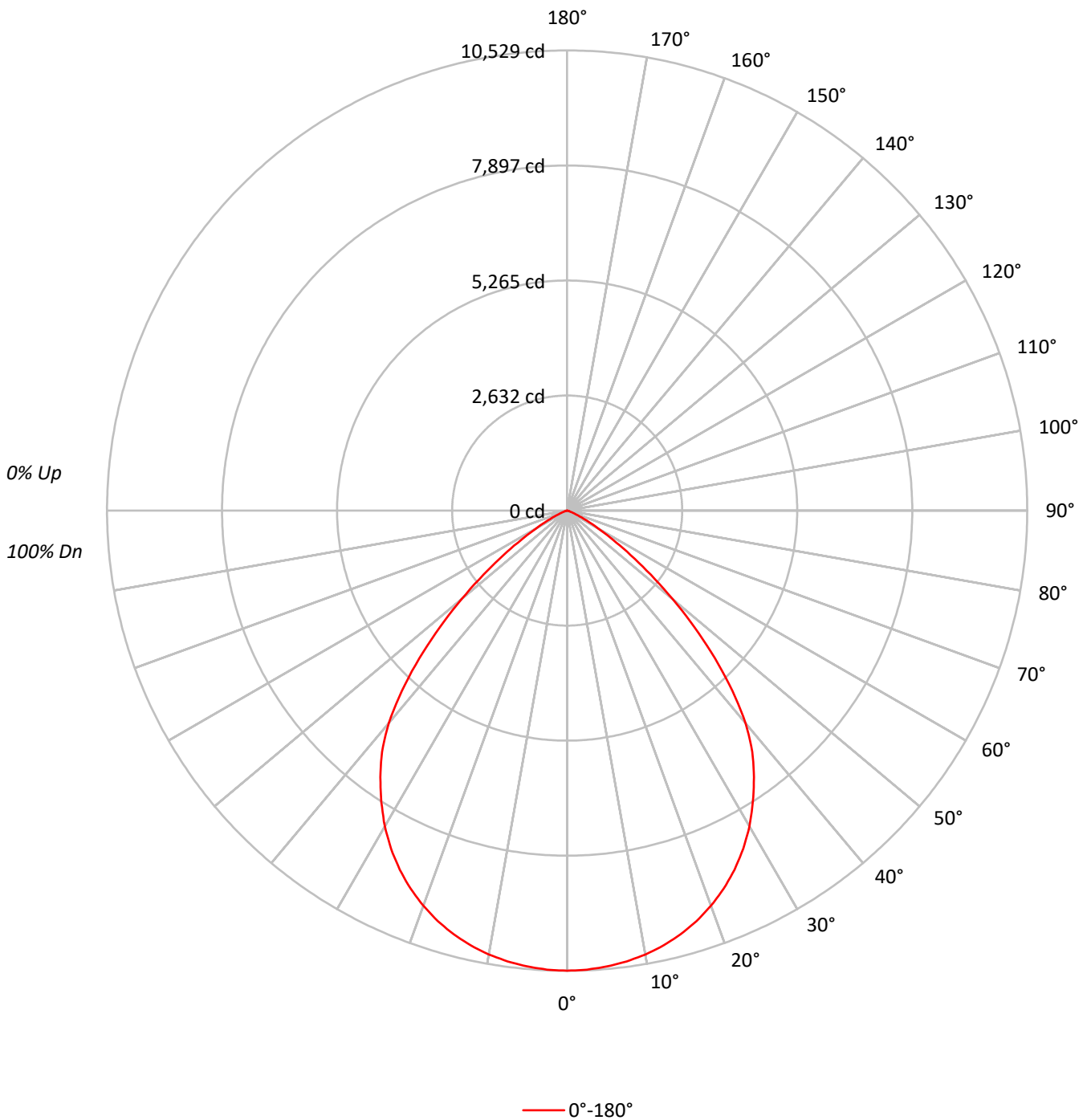
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	324663
5°	324114
10°	322955
15°	320393
20°	315742
25°	308452
30°	297142
35°	280562
40°	255745
45°	208661
50°	150975
55°	95303
60°	51164
65°	23188
70°	7880
75°	3920
80°	2628
85°	1203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	994.6	5.4
10°-20°	2827.7	15.4
20°-30°	4164.1	22.7
30°-40°	4636.4	25.3
40°-50°	3661.8	20.0
50°-60°	1641.7	9.0
60°-70°	362.4	2.0
70°-80°	40.9	0.2
80°-90°	5.4	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°	7986.4	43.6
0°-40°	12622.9	68.8
0°-60°	17926.3	97.8
0°-90°	18335.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18335.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10529	
5°	10471	995
15°	10036	2828
25°	9066	4164
35°	7453	4636
45°	4785	3662
55°	1773	1642
65°	318	362
75°	33	41
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10528.6
2.5°	10512.7
5°	10470.8
7.5°	10406.1
10°	10314.1
12.5°	10190.4
15°	10036.1
17.5°	9847.7
20°	9621.8
22.5°	9361.9
25°	9065.7
27.5°	8724.1
30°	8345.1
32.5°	7910.4
35°	7453.0
37.5°	6961.6
40°	6353.3
42.5°	5600.8
45°	4784.8
47.5°	3954.1
50°	3147.1
52.5°	2409.4
55°	1772.7
57.5°	1238.2
60°	829.6
62.5°	525.5
65°	317.8
67.5°	177.0
70°	87.4
72.5°	47.7
75°	32.9
77.5°	23.8
80°	14.8
82.5°	7.9
85°	3.4
87.5°	1.1
90°	0.0

(END OF REPORT)