

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: P249627

Luminaire Tested: **LD8B200D010 ER8B200830 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249627
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 ER8B200830 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: 20674.9 lumens
Efficiency: N/A
Efficacy: 92.6 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

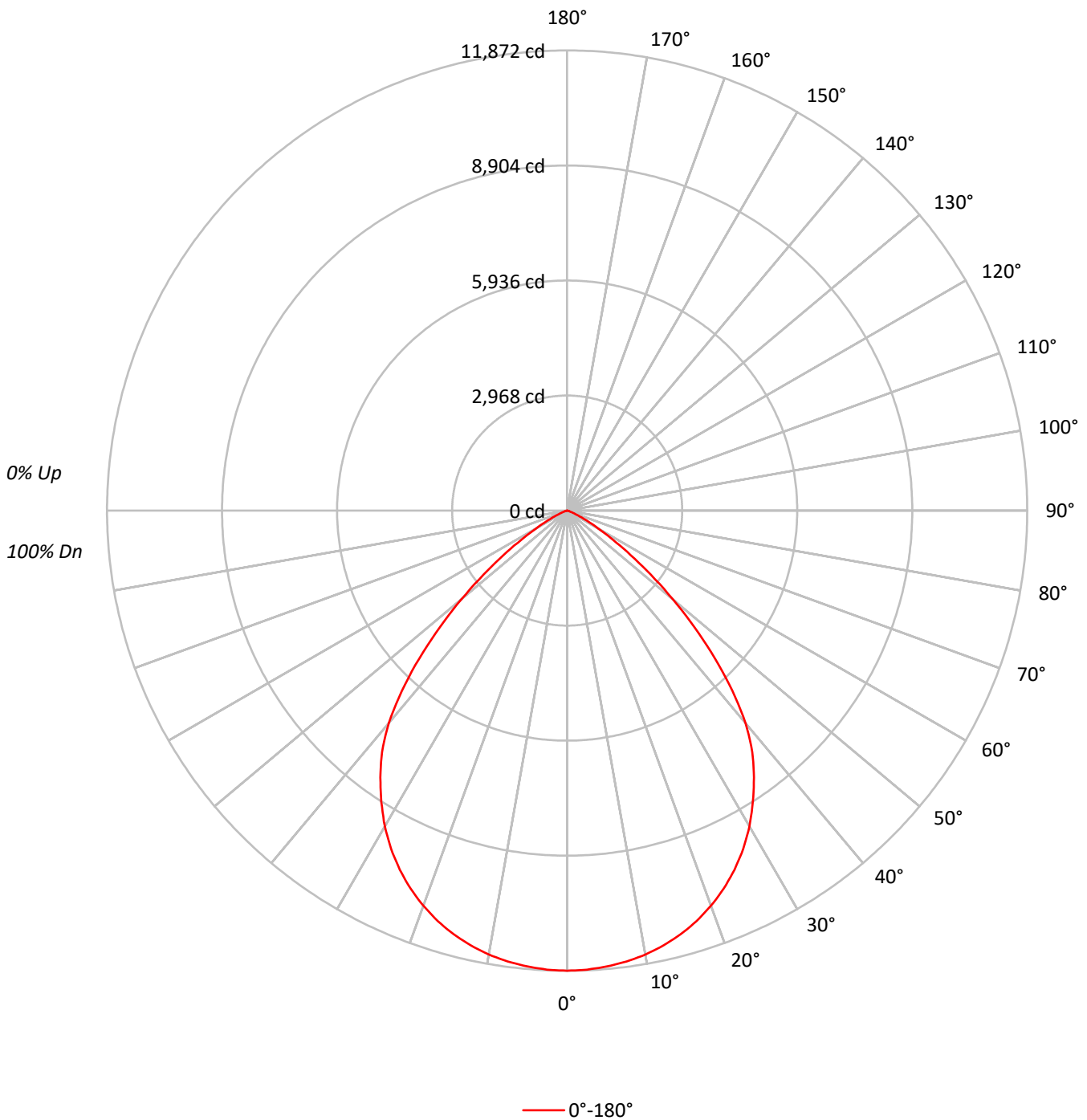
Input Watts (W): 223.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	366098
5°	365478
10°	364174
15°	361282
20°	356040
25°	347818
30°	335063
35°	316369
40°	288383
45°	235293
50°	170246
55°	107469
60°	57695
65°	26143
70°	8881
75°	4420
80°	2948
85°	1344



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1121.5	5.4
10°-20°	3188.6	15.4
20°-30°	4695.6	22.7
30°-40°	5228.1	25.3
40°-50°	4129.1	20.0
50°-60°	1851.2	9.0
60°-70°	408.6	2.0
70°-80°	46.1	0.2
80°-90°	6.1	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°	9005.7	43.6
0°-40°	14233.9	68.8
0°-60°	20214.2	97.8
0°-90°	20674.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	20674.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11872	
5°	11807	###
15°	11317	3189
25°	10223	4696
35°	8404	5228
45°	5396	4129
55°	1999	1851
65°	358	409
75°	37	46
85°	4	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11872.3
2.5°	11854.4
5°	11807.1
7.5°	11734.1
10°	11630.5
12.5°	11491.0
15°	11316.9
17.5°	11104.5
20°	10849.8
22.5°	10556.8
25°	10222.7
27.5°	9837.5
30°	9410.1
32.5°	8919.9
35°	8404.2
37.5°	7850.1
40°	7164.1
42.5°	6315.6
45°	5395.5
47.5°	4458.7
50°	3548.8
52.5°	2716.9
55°	1999.0
57.5°	1396.2
60°	935.5
62.5°	592.5
65°	358.3
67.5°	199.6
70°	98.5
72.5°	53.7
75°	37.1
77.5°	26.9
80°	16.6
82.5°	9.0
85°	3.8
87.5°	1.3
90°	0.0

(END OF REPORT)