

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: P247762

Luminaire Tested: **LD8B80D010 ER8B809730 8LBS0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P247762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-88)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B80D010 ER8B809730 8LBS0MW
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6825.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.24
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

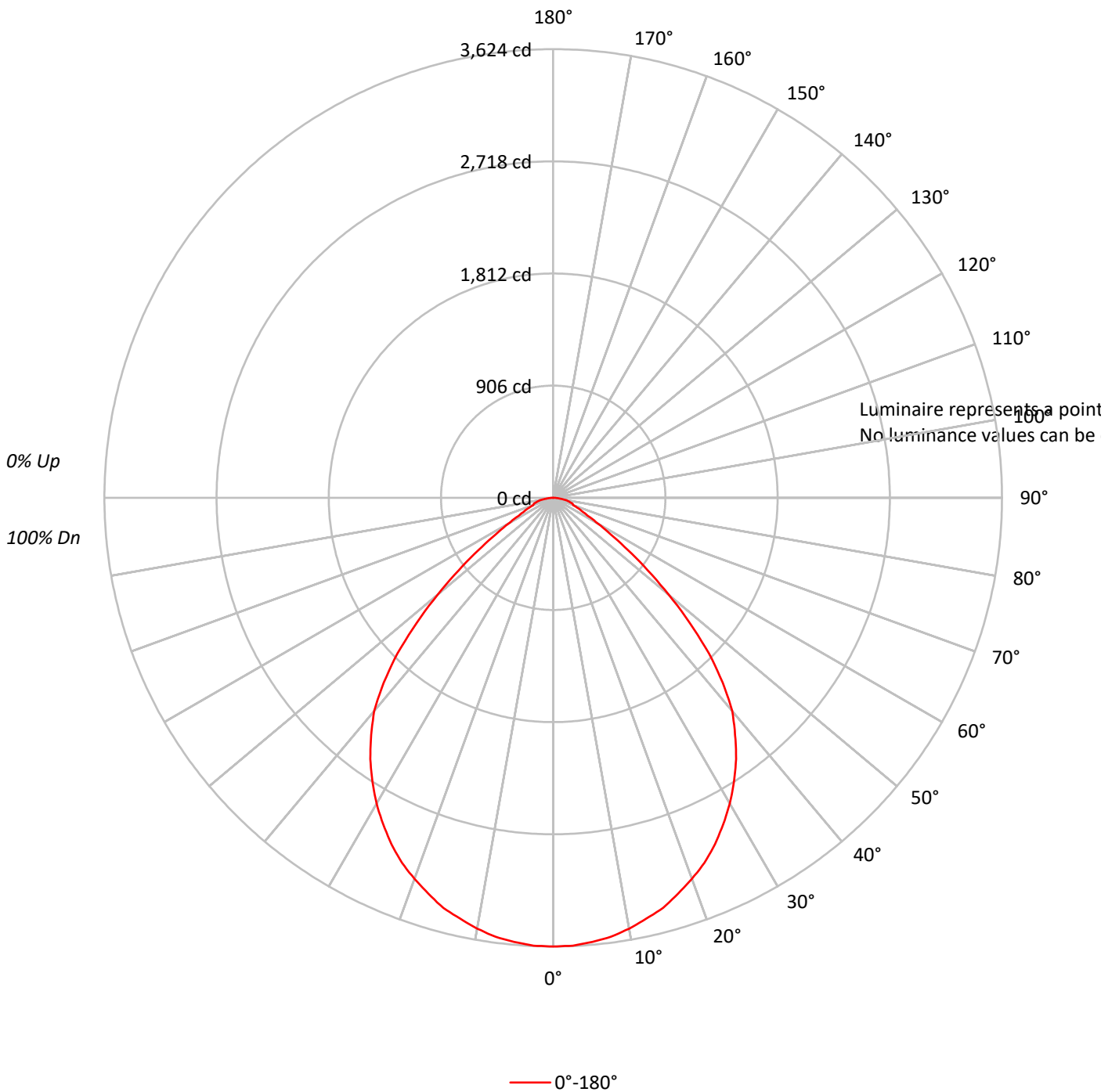
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	62	58	67	61	57	65	60	57	55
6	77	66	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	47	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.8	5.0
10°-20°	964.8	14.1
20°-30°	1419.4	20.8
30°-40°	1603.2	23.5
40°-50°	1350.2	19.8
50°-60°	681.2	10.0
60°-70°	266.9	3.9
70°-80°	150.7	2.2
80°-90°	46.9	0.7
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°	2725.9	39.9
0°-40°	4329.2	63.4
0°-60°	6360.6	93.2
0°-90°	6825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6825.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3624	
5°	3601	342
15°	3430	965
25°	3089	1419
35°	2575	1603
45°	1778	1350
55°	735	681
65°	259	267
75°	147	151
85°	42	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3624.1
2.5°	3620.5
5°	3601.3
7.5°	3576.3
10°	3533.5
12.5°	3480.5
15°	3429.7
17.5°	3352.3
20°	3275.0
22.5°	3191.0
25°	3088.6
27.5°	2973.0
30°	2852.2
32.5°	2716.6
35°	2575.2
37.5°	2413.2
40°	2248.9
42.5°	2025.0
45°	1778.2
47.5°	1495.3
50°	1215.4
52.5°	962.8
55°	735.1
57.5°	553.9
60°	416.9
62.5°	318.2
65°	258.6
67.5°	210.7
70°	170.9
72.5°	165.0
75°	146.6
77.5°	122.3
80°	103.1
82.5°	65.6
85°	42.0
87.5°	13.3
90°	0.0

(END OF REPORT)